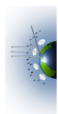


## File Names

12:00 Monday, March 21, 2005 1

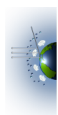
File #	Original File Name
1	PAC2001_SMMT_M-M_NUMDIST_DMA_20010818D19_V1.csv



Data Exchange Standard Version	Principal Investigator Name--last first	Principal Investigator Affiliation	File Contents Description--short long	Sampling Interval As Reported in Main Table	Sampling Frequency Of Data in Main Table	Quality Control Level	Organization Acronym	Organization Name
NARSTO 2001/10/31 (2.213)	Mozurkewich ; Dr. Michael	Centre for Atmospheric Chemistry, York University	size_dist+total_conc ; Measurement of atmospheric aerosol size distributions and total particle number concentration	5 minute	Same as sampling interval	1	YORKU	York University

Data Usage Acknowledgement	Study Or Network Acronym	Study Or Network Name	Country Code	State Or Province Code	Principal Investigator Contact Information	Co-investigator Name--last first	Co-investigator Affiliation
Dr. Michael Mozurkewich, Centre for Atmospheric Chemistry, York University, rm. 006 Steacie ScienceBldg, 4700 Keele Street, Toronto, Ontario, MM3J 1P3, CANADA , mozurkew@yorku.ca	PAC2001	Pacific 2001	CA (CANADA)	BC	Dr. Michael Mozurkewich, Centre for Atmospheric Chemistry, York University, rm. 006 Steacie ScienceBldg, 4700 Keele Street, Toronto, Ontario, MM3J 1P3, CANADA , mozurkew@yorku.ca	Chan ; Tak	Centre for Atmospheric Chemistry, York University

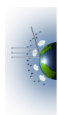
Name And Affiliation Of Person Who Generated This File	Date Of Last Modification To Data In Main Table	Name And Version Of Software Used To Create This File	Companion File Name format And Version	Date This File Generated archive Version Number	Table Explanation Of Zero Or Negative Values	Table Explanation Of Reported Detection Limit Values	Table Explanation Of Reported Uncertainty	Table User Note	Table User Note2	Table User Note3	Table User Note4	Table Name	Table Focus
Caroline How, Centre for Atmospheric Chemistry, York University	2002/05/06	Excel/2000	None ; None	2004/10/25 ; 1	Within error of instrument							size_dist+total_conc	Surface--fixed



## Site Information

3

Site ID	Name	State Province code	Latitude: decimal degree	Longitude: decimal degree	Sampling height above ground (m)	Ground elevation above sea level (m)	Site land use	Site location setting	Measurement start date	Measurement end date	Co-incident measurements	Study site ID	Lat lon accuracy
PC01CABCSMMT	Sumas	BC	49.05166	-122.24666	-999.9	310.0	Forest	Rural	9999/12/31	9999/12/31	See project plan	SMMT	15



Distributed by the Atmospheric Science Data Center  
<http://eosweb.larc.nasa.gov>



# NARSTO Standard Flags

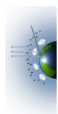
Flag: NARSTO	Description
H1	Historical data that have not been assessed or validated
	Historical data that have not been assessed or validated
	Historical data that have not been assessed or validated
M1	Missing value because no value is available
	Missing value because no value is available
	Missing value because no value is available
M2	Missing value because invalidated by data originator
	Missing value because invalidated by data originator
	Missing value because invalidated by data originator
V0	Valid value
	Valid value
	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
	Valid value but comprised wholly or partially of below detection limit data
	Valid value but comprised wholly or partially of below detection limit data
V2	Valid estimated value
	Valid estimated value
	Valid estimated value
V3	Valid interpolated value
	Valid interpolated value
	Valid interpolated value
V4	Valid value despite failing to meet some QC or statistical criteria
	Valid value despite failing to meet some QC or statistical criteria
	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination (e.g., pollution source, laboratory contamination source)
	Valid value but qualified because of possible contamination (e.g., pollution source, laboratory contamination source)
	Valid value but qualified because of possible contamination (e.g., pollution source, laboratory contamination source)
V6	Valid value but qualified due to non-standard sampling conditions (e.g., instrument malfunction, sample handling)
	Valid value but qualified due to non-standard sampling conditions (e.g., instrument malfunction, sample handling)
	Valid value but qualified due to non-standard sampling conditions (e.g., instrument malfunction, sample handling)



## NARSTO Standard Flags

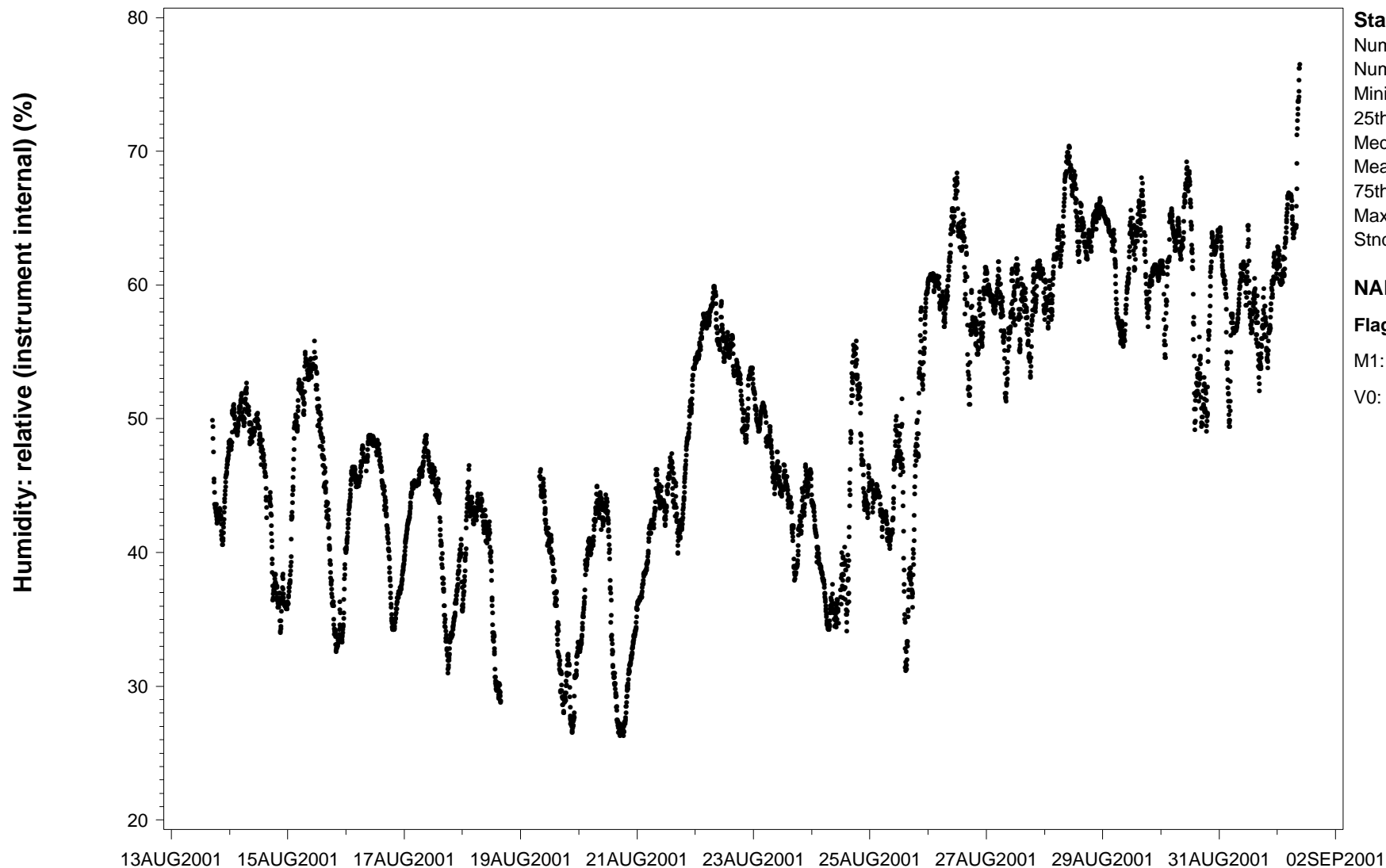
5

Flag: NARSTO	Description
V7	Valid value but set equal to the detection limit (DL) because the measured value was below the DL
	Valid value but set equal to the detection limit (DL) because the measured value was below the DL
	Valid value but set equal to the detection limit (DL) because the measured value was below the DL



Site ID: **PC01CABCSMMT** Variable name: **Humidity: relative (instrument internal)** Units: % Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Other** Instrument name and model number: **TSI Incorporated, model 3071 DMA**  
Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**

**Statistics**

Number of obs: **5,380**  
Number of missing: **277**  
Minimum: **26.3**  
25th Percentile: **42**  
Median: **48.9**  
Mean: **49.608**  
75th Percentile: **58.8**  
Maximum: **76.5**  
Std Dev.: **10.428**

**NARSTO Flags****Flag Symbol Count**

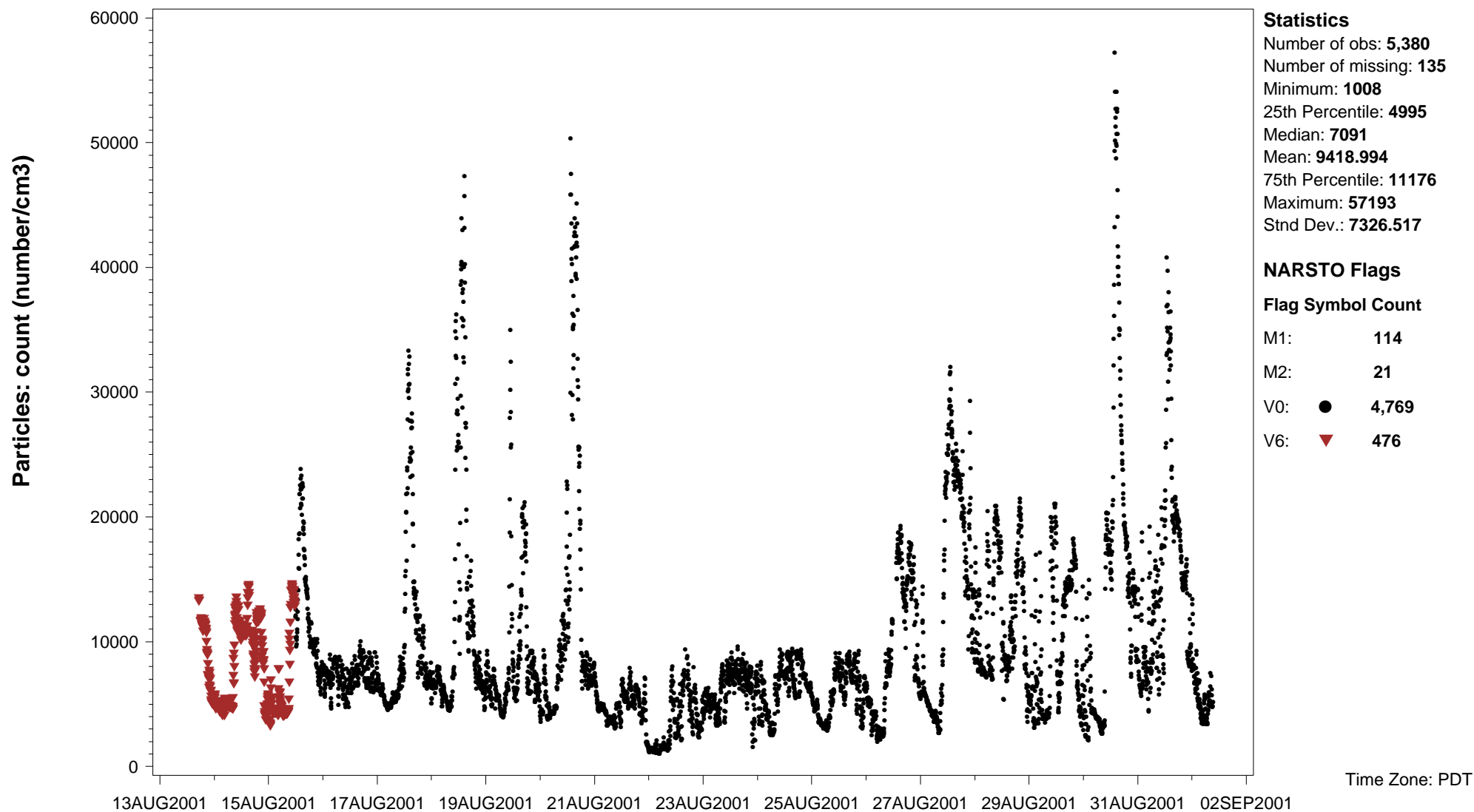
M1: **277**  
V0: ● **5,103**

Site ID: **PC01CABCSMMT** Variable name: **Particles: count** Units: **number/cm3** Sampling interval: **5 minute** Sampling frequency: **Same as sampling interval**

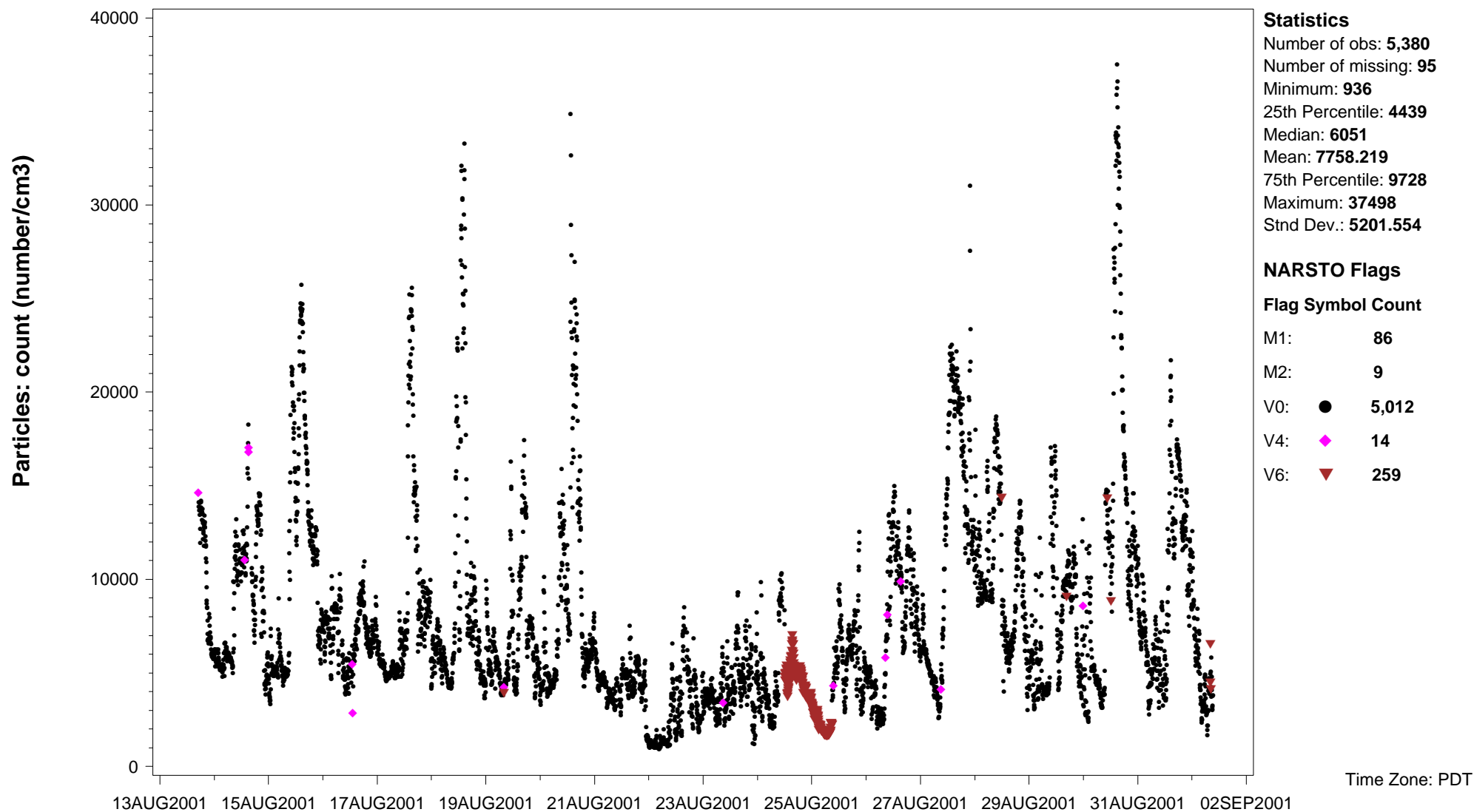
Observation type: **Particles** Field sampling or measurement principle: **CNC** Inlet type: **Open sampling line**

Instrument name and model number: **TSI Incorporated, model 3022 CNC** Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**

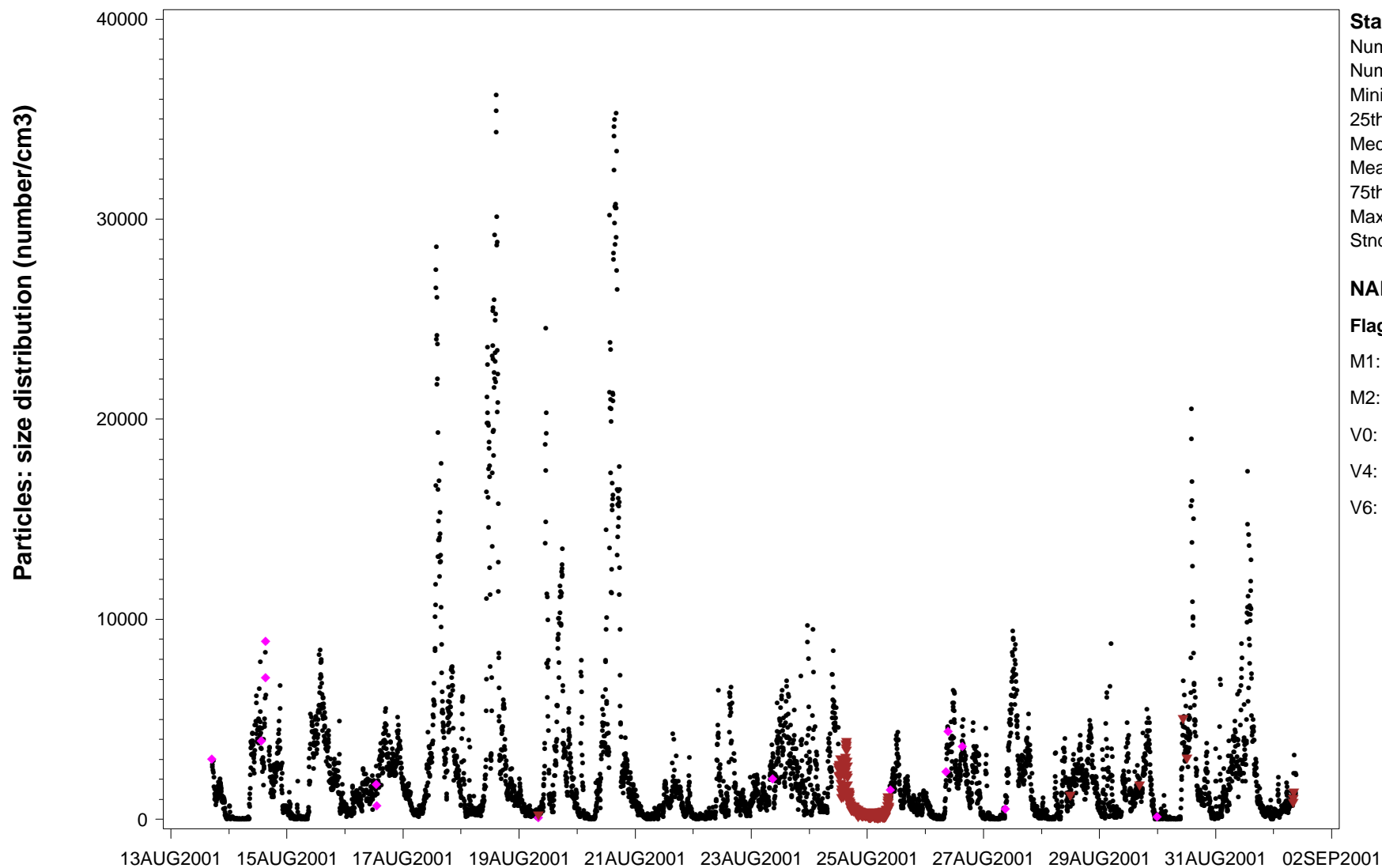


Site ID: **PC01CABCSMMT** Variable name: **Particles: count** Units: **number/cm3** Sampling interval: **5 minute** Sampling frequency: **Same as sampling interval**  
Observation type: **Particles** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**





Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **10.0**  
Particle diameter--upper bound (UM): **11.6** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



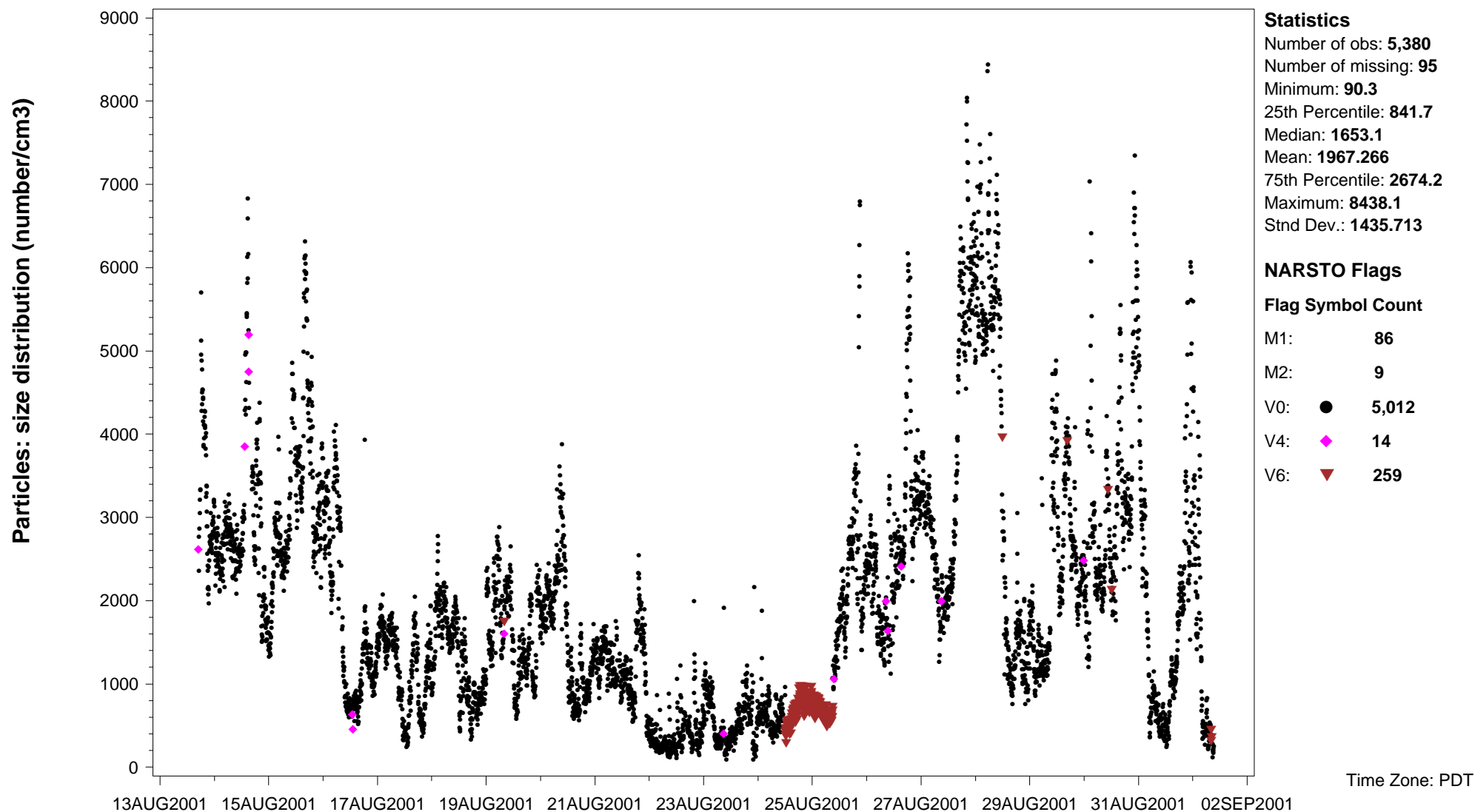
Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**

Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **100**

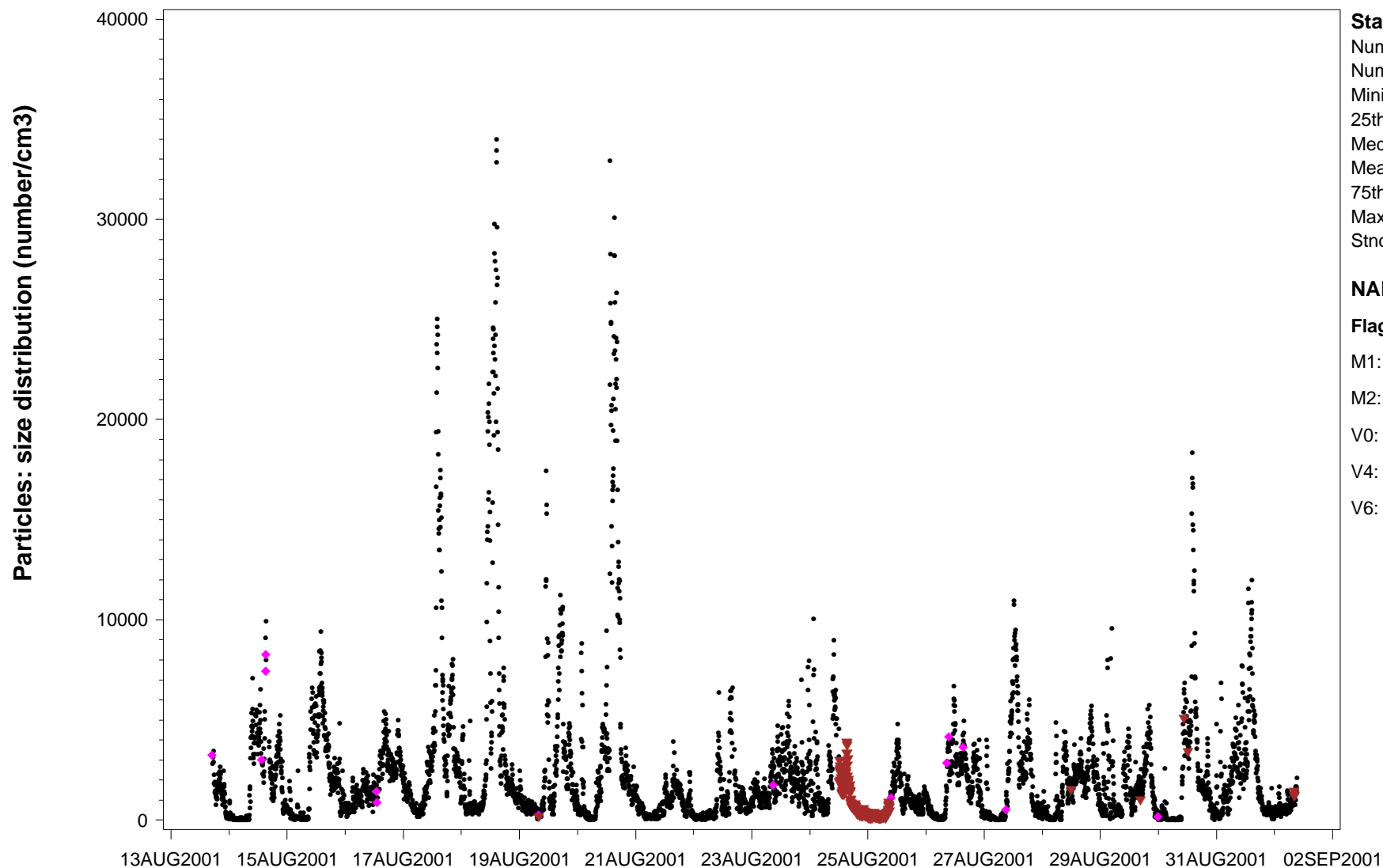
Particle diameter--upper bound (UM): **115** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**

Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **11.6**  
Particle diameter--upper bound (UM): **13.3** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



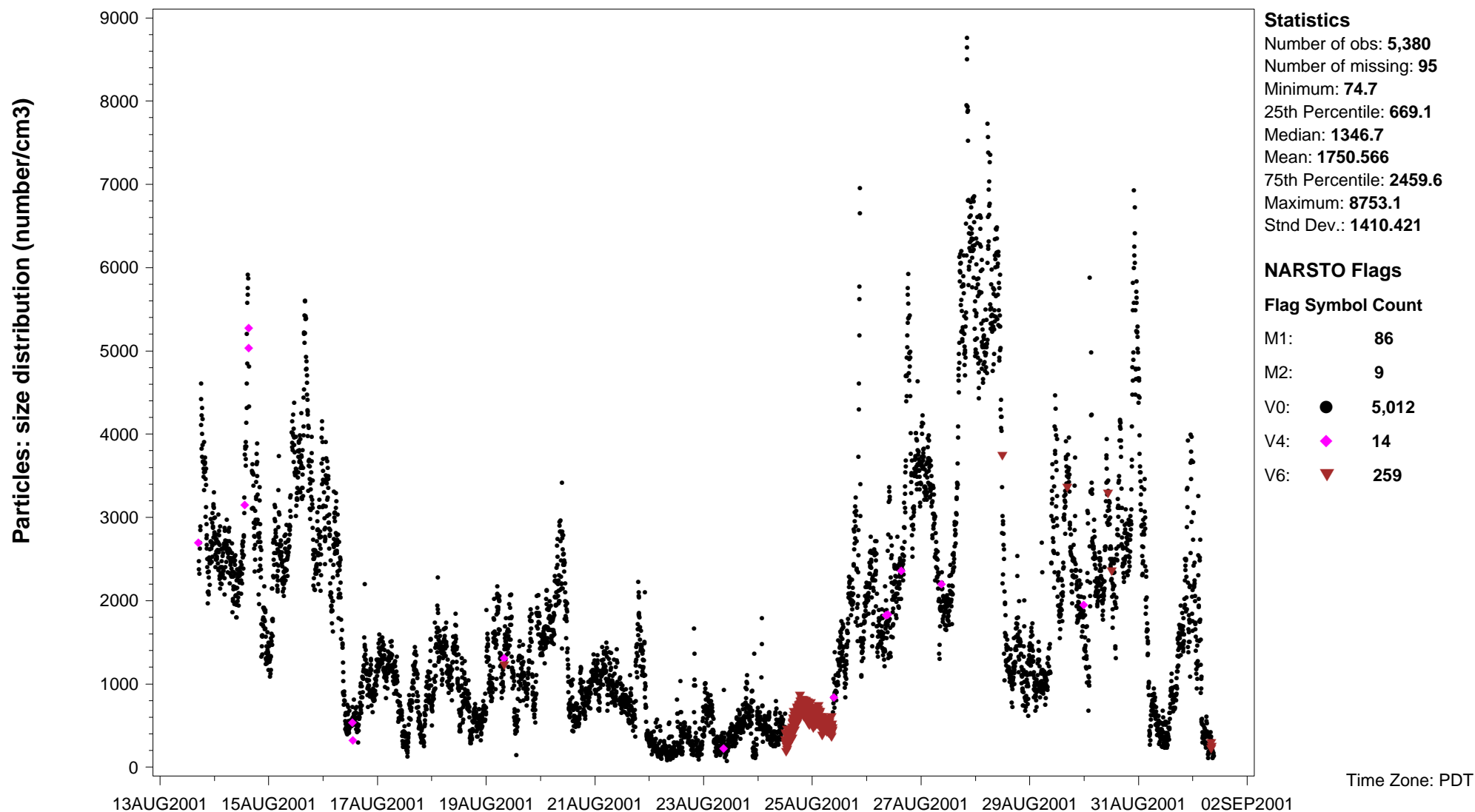
Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**

Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **115**

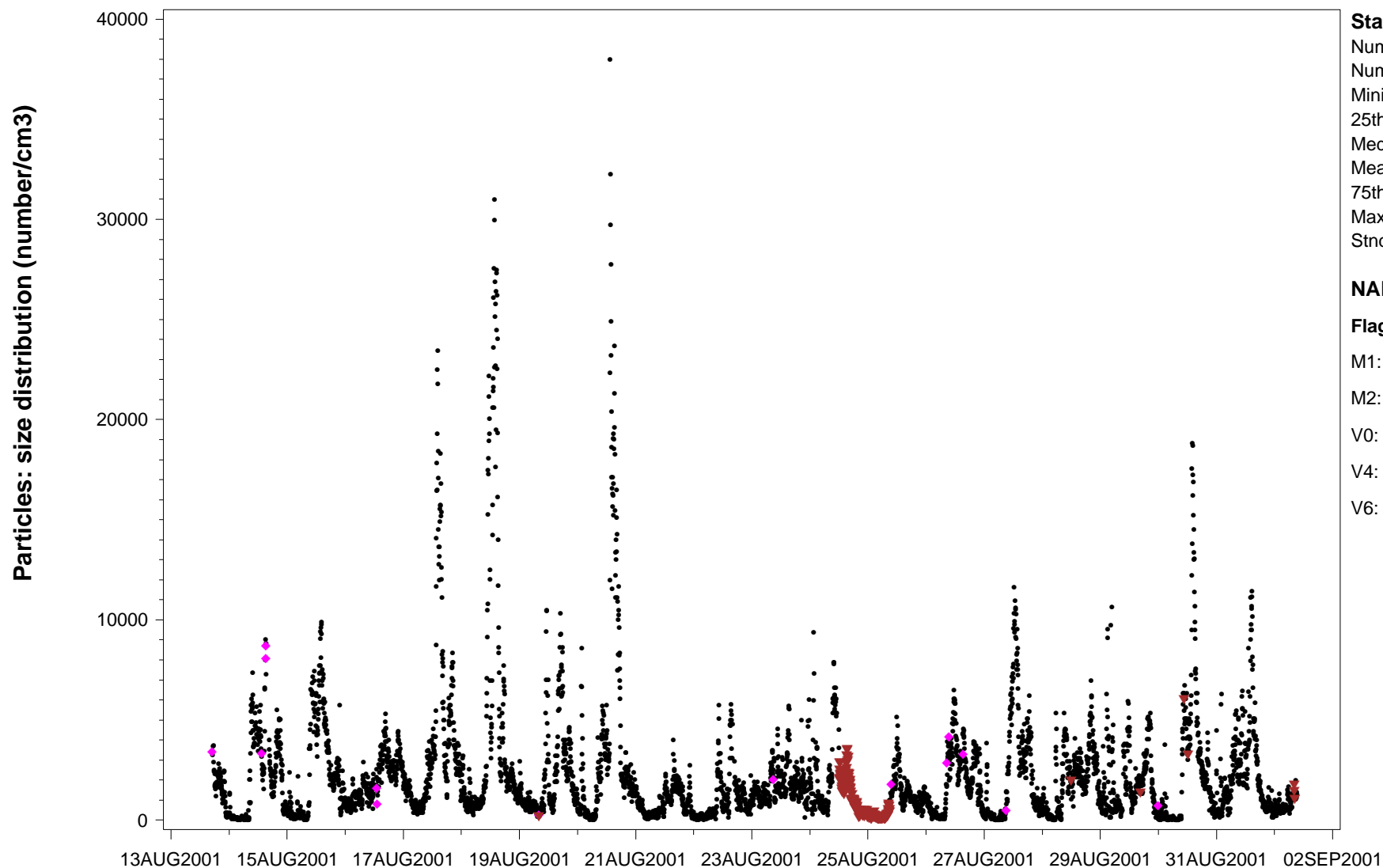
Particle diameter--upper bound (UM): **133** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**

Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **13.3**  
Particle diameter--upper bound (UM): **15.4** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



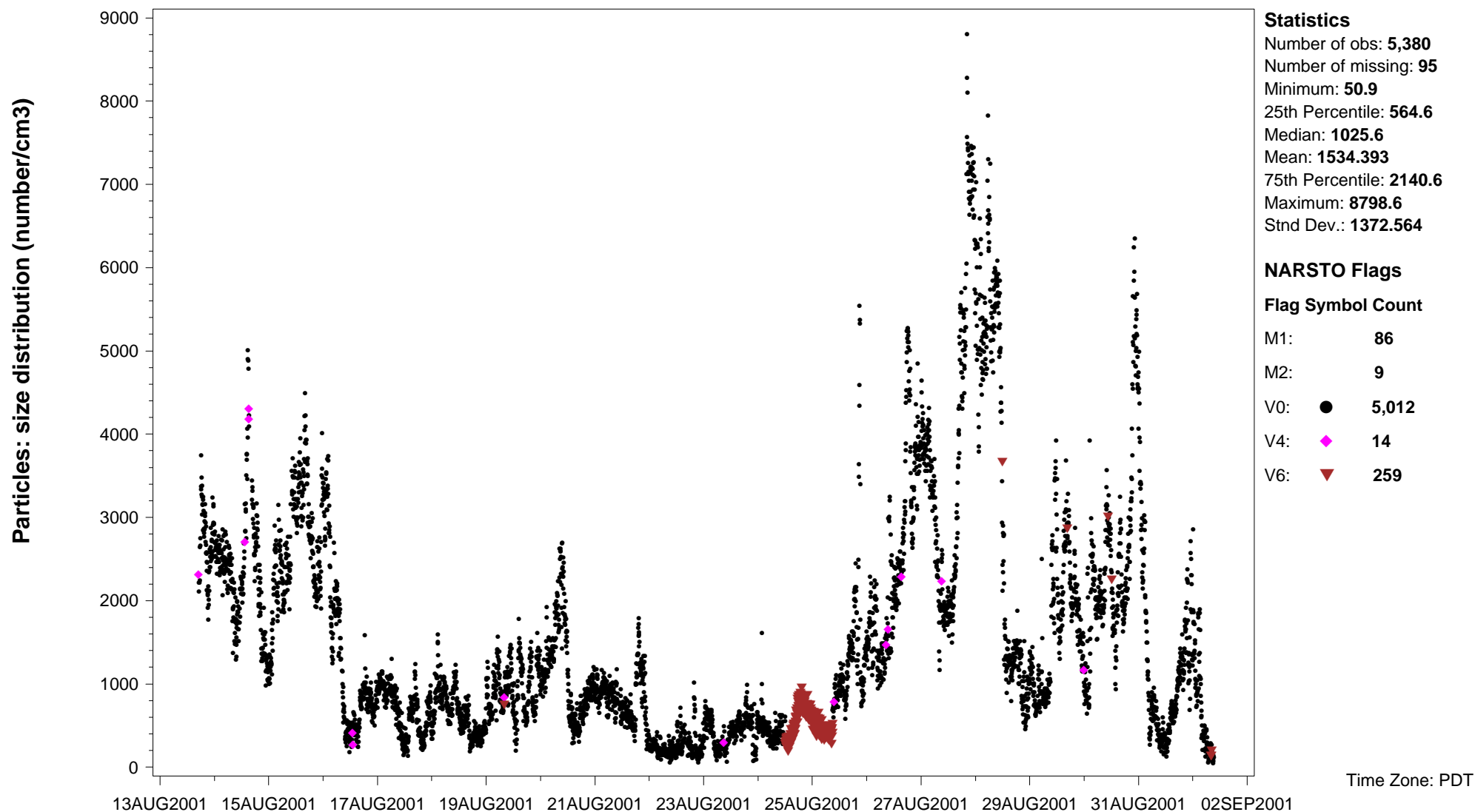
Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**

Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **133**

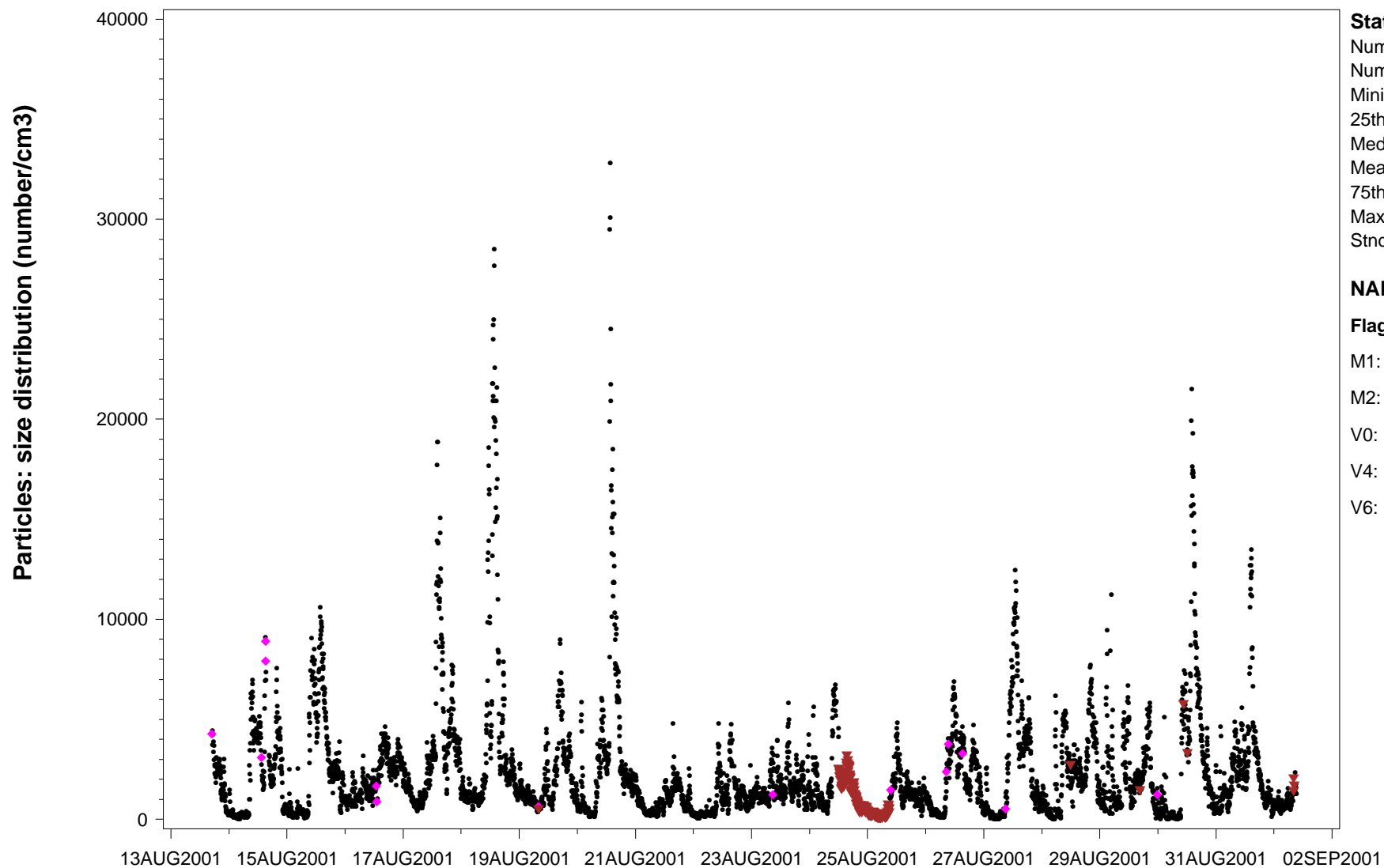
Particle diameter--upper bound (UM): **154** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**

Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **15.4**  
Particle diameter--upper bound (UM): **17.8** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



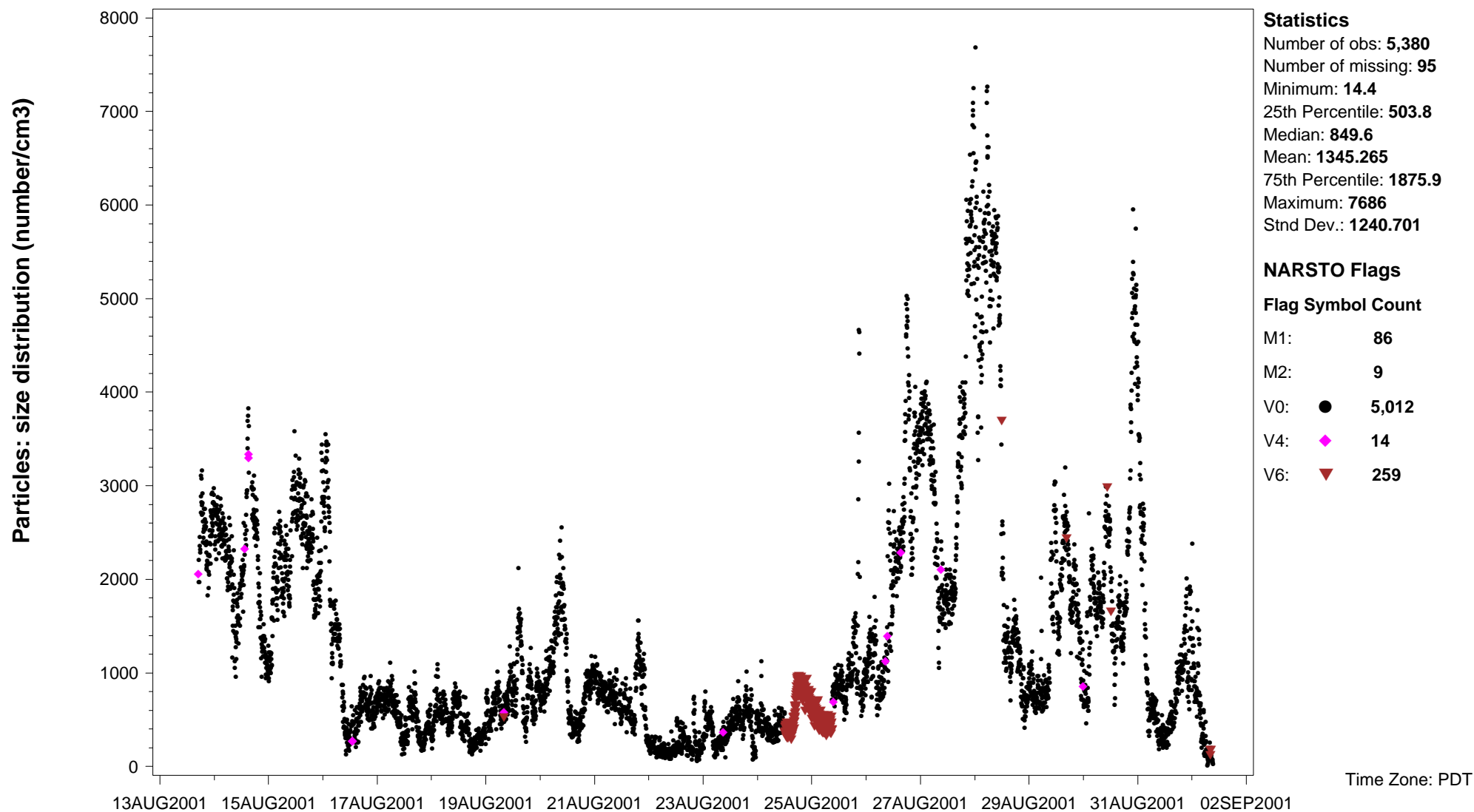
Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**

Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **154**

Particle diameter--upper bound (UM): **178** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**

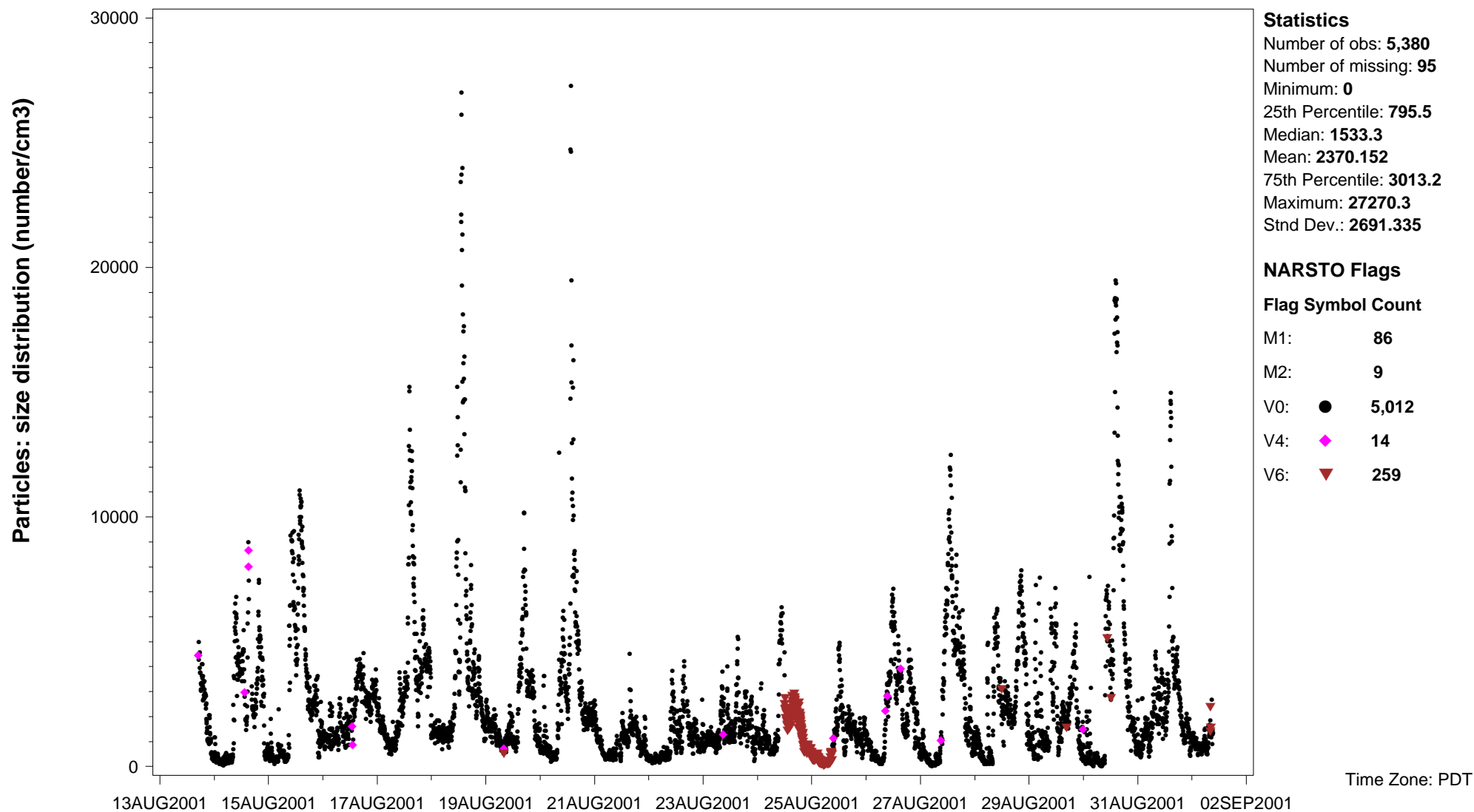
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**





Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **17.8**  
Particle diameter--upper bound (UM): **20.5** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



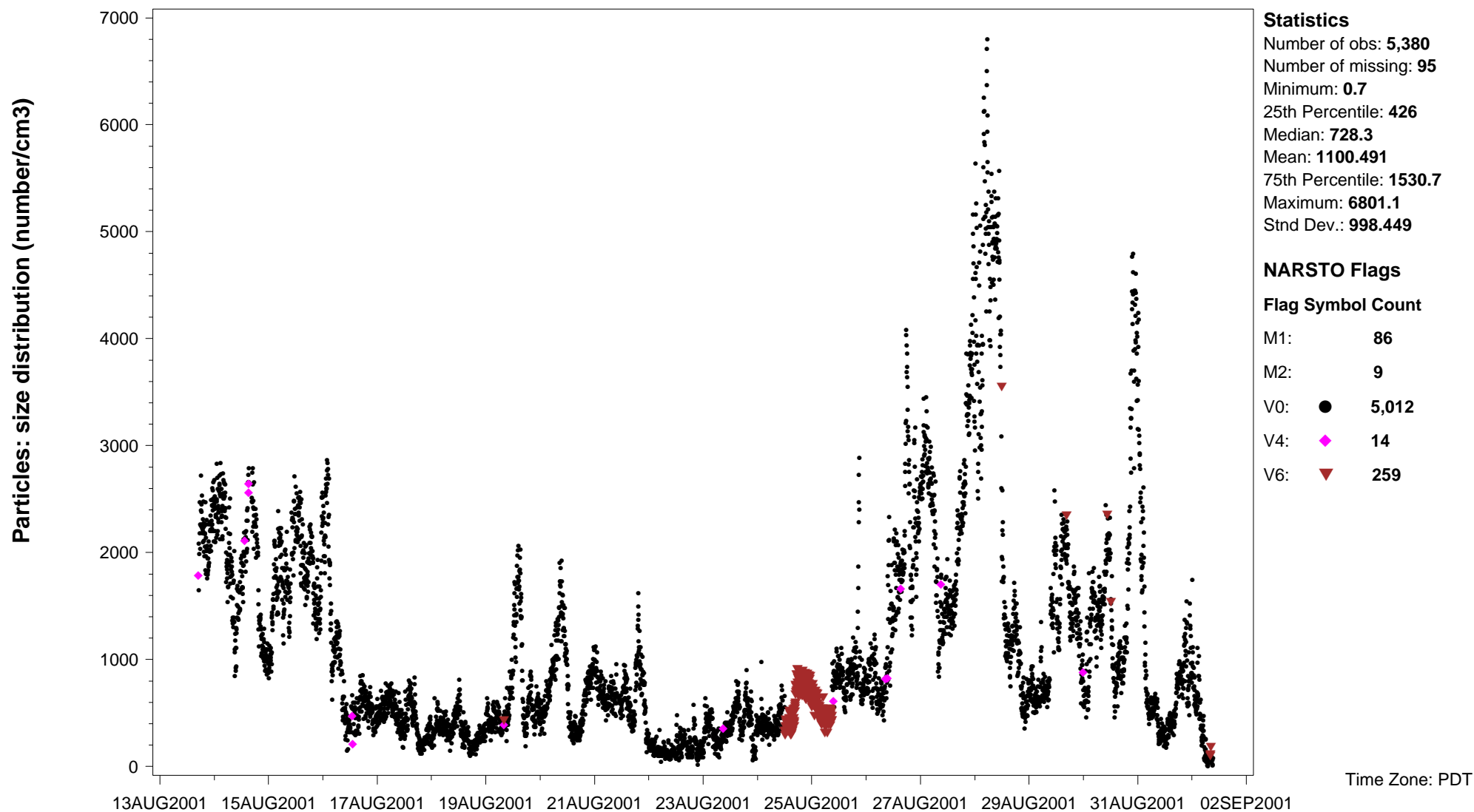
Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**

Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **178**

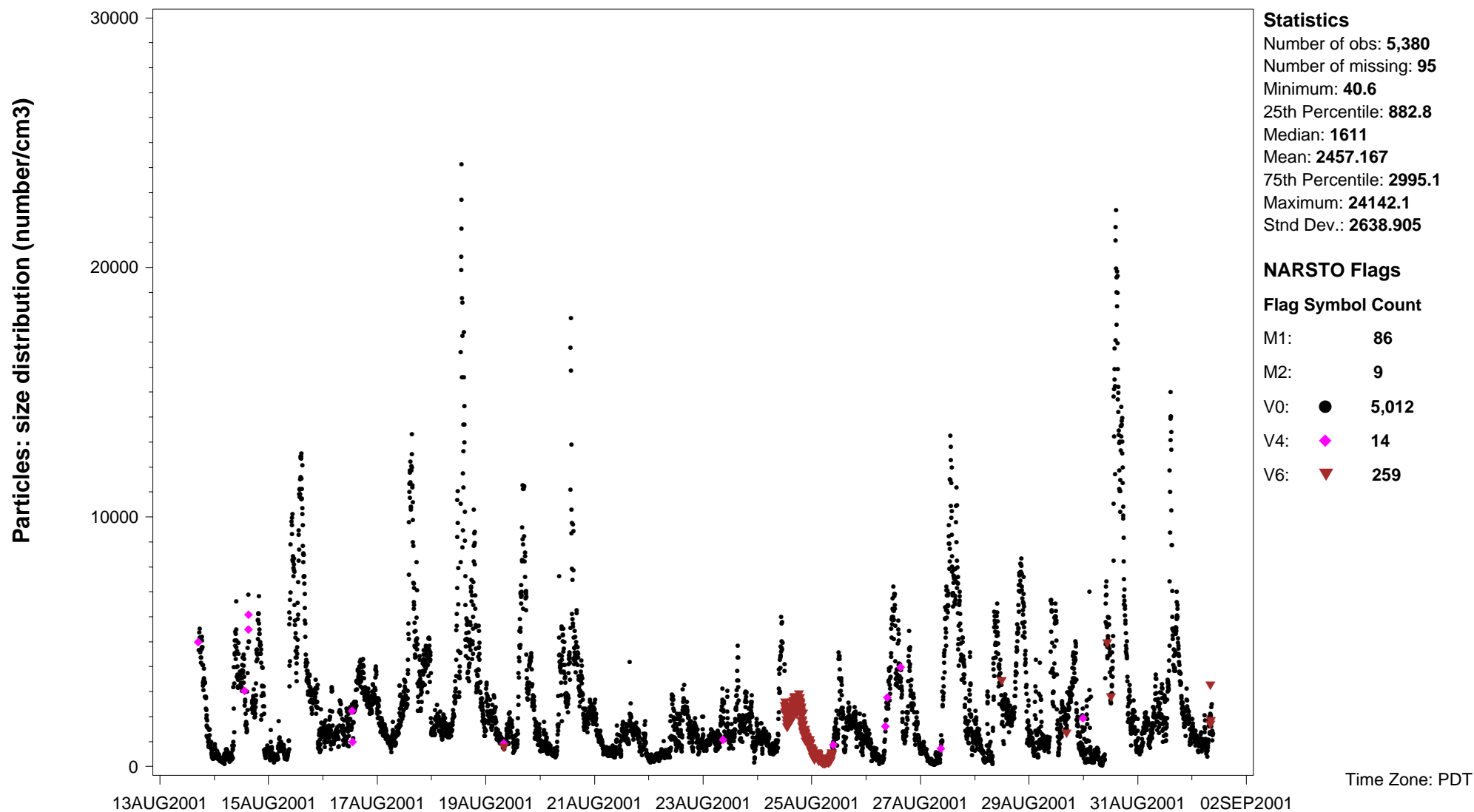
Particle diameter--upper bound (UM): **205** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**

Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **20.5**  
Particle diameter--upper bound (UM): **23.7** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



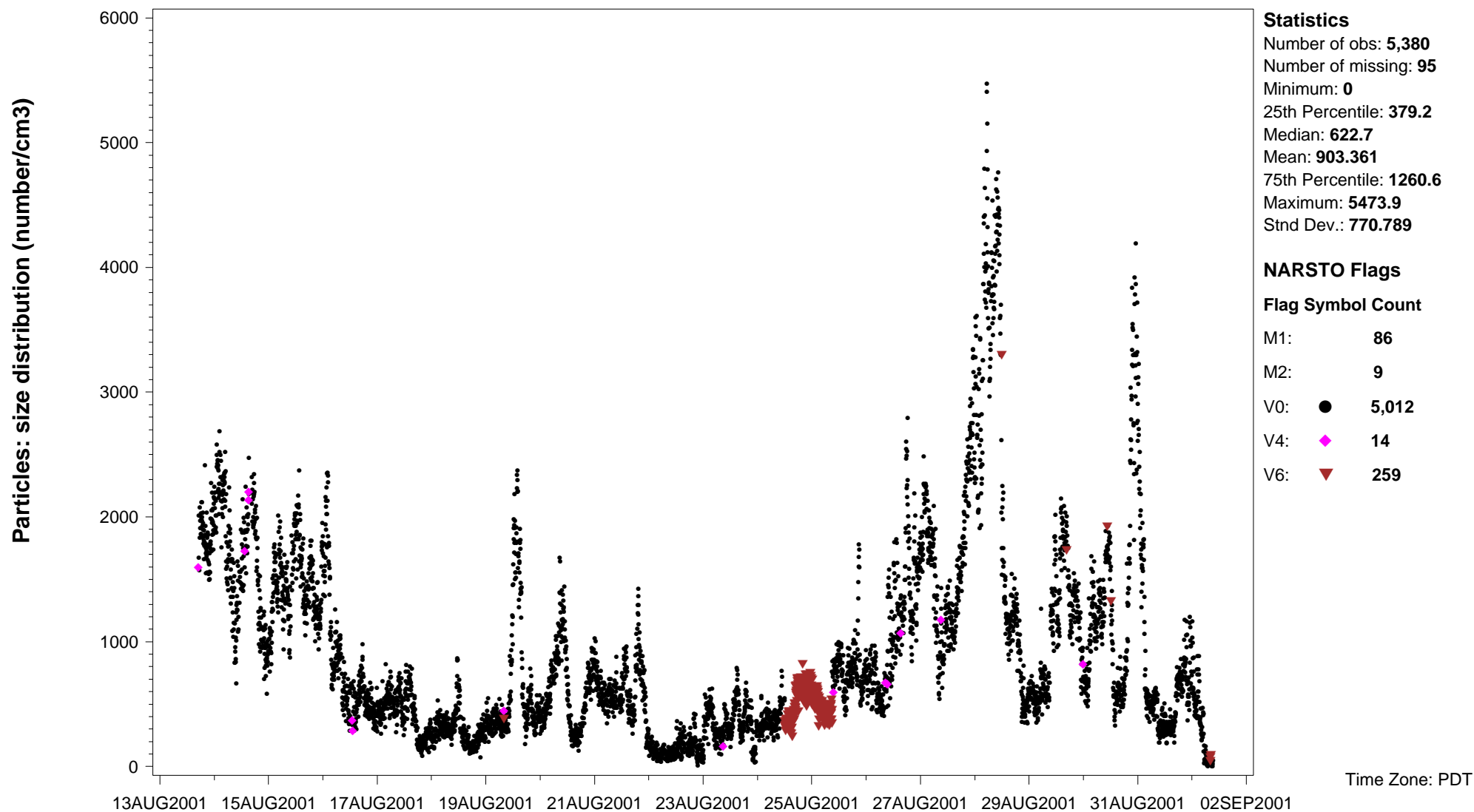
Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**

Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **205**

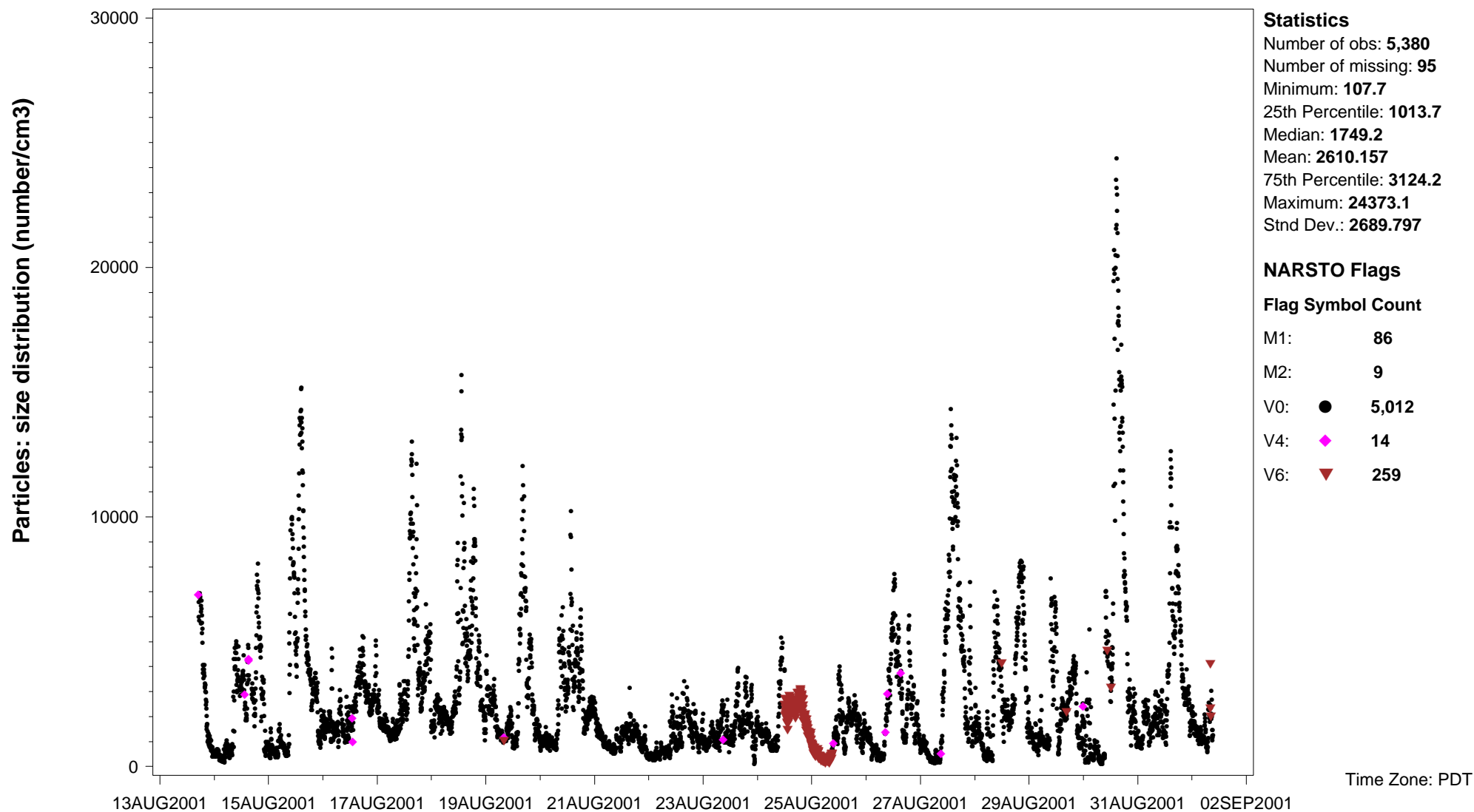
Particle diameter--upper bound (UM): **237** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**

Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **23.7**  
Particle diameter--upper bound (UM): **27.4** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



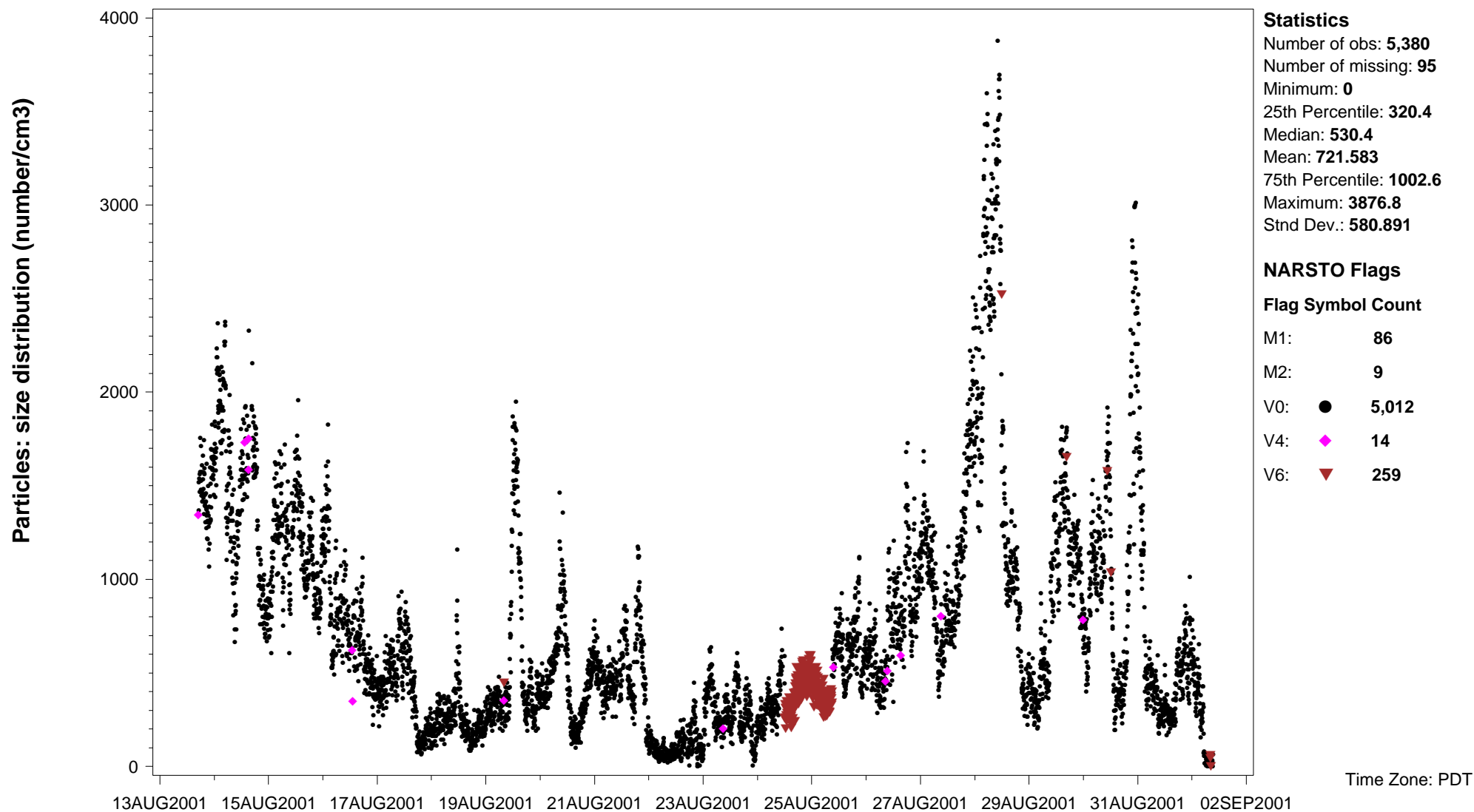
Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**

Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **237**

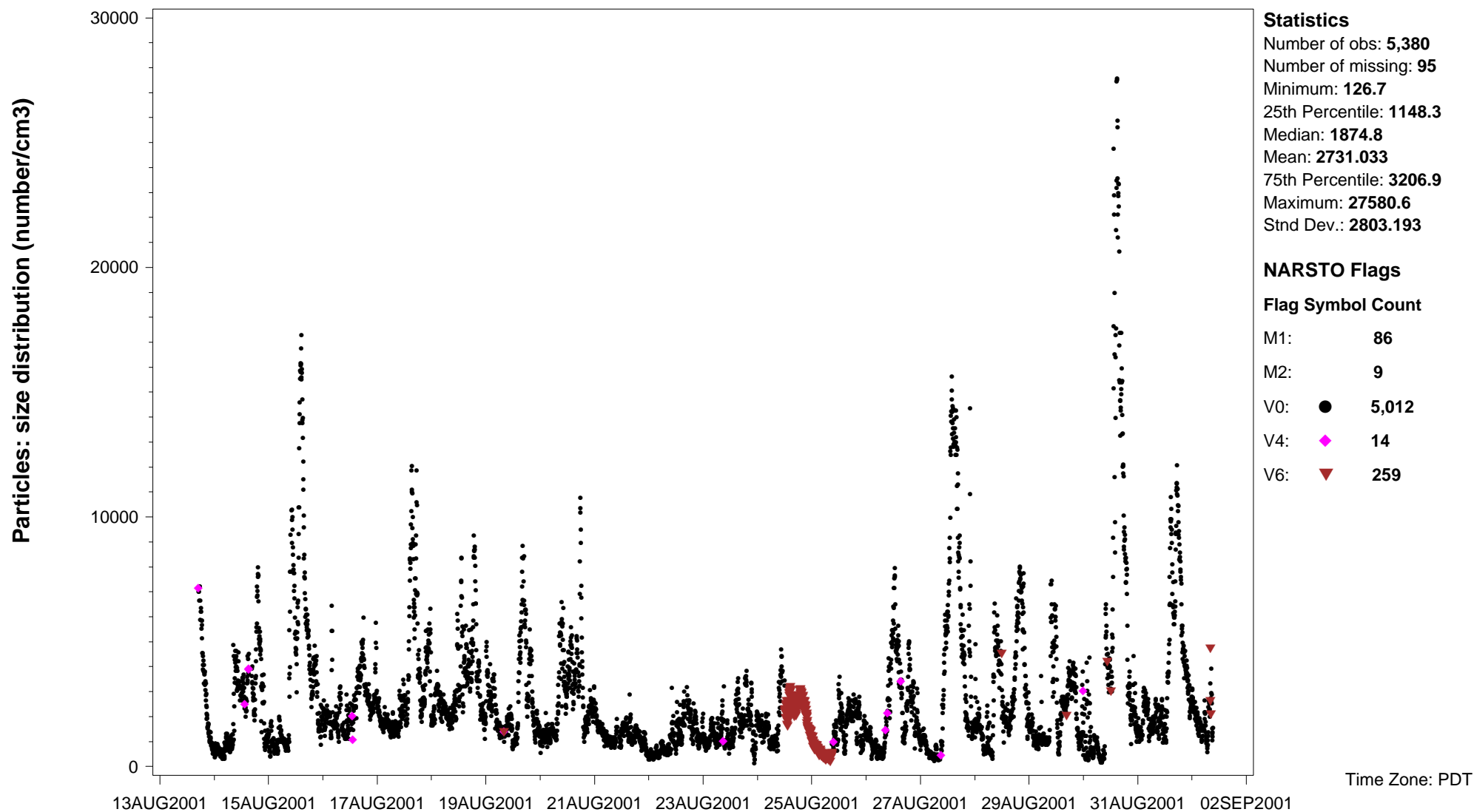
Particle diameter--upper bound (UM): **274** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**

Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **27.4**  
Particle diameter--upper bound (UM): **31.6** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



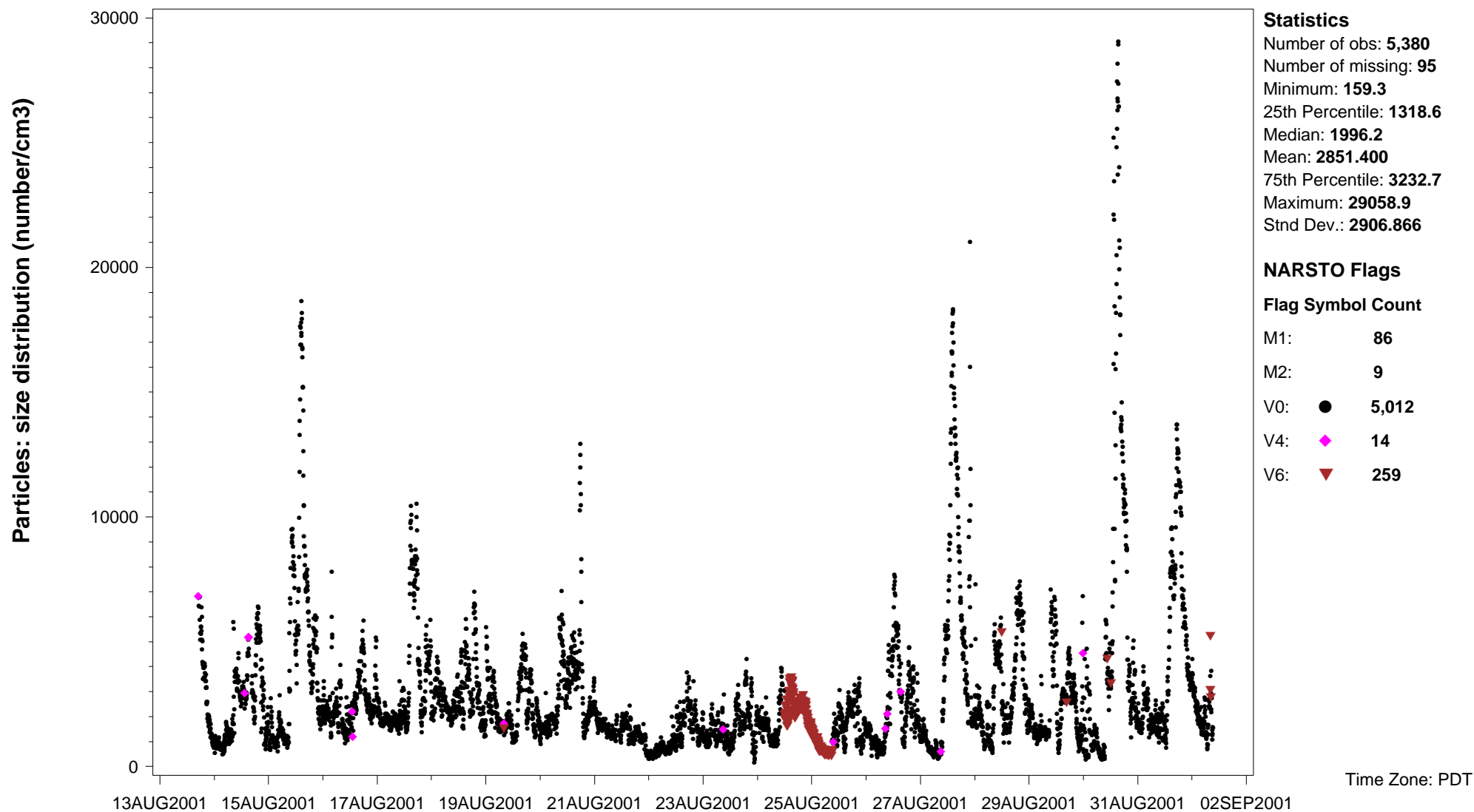
**21MAR2005**

Site Name:**Sumas, British Columbia** Latitude:**49.05166 deg.** Longitude:**-122.24666 deg.** Start Date:**9999-12-31**





Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **31.6**  
Particle diameter--upper bound (UM): **36.5** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



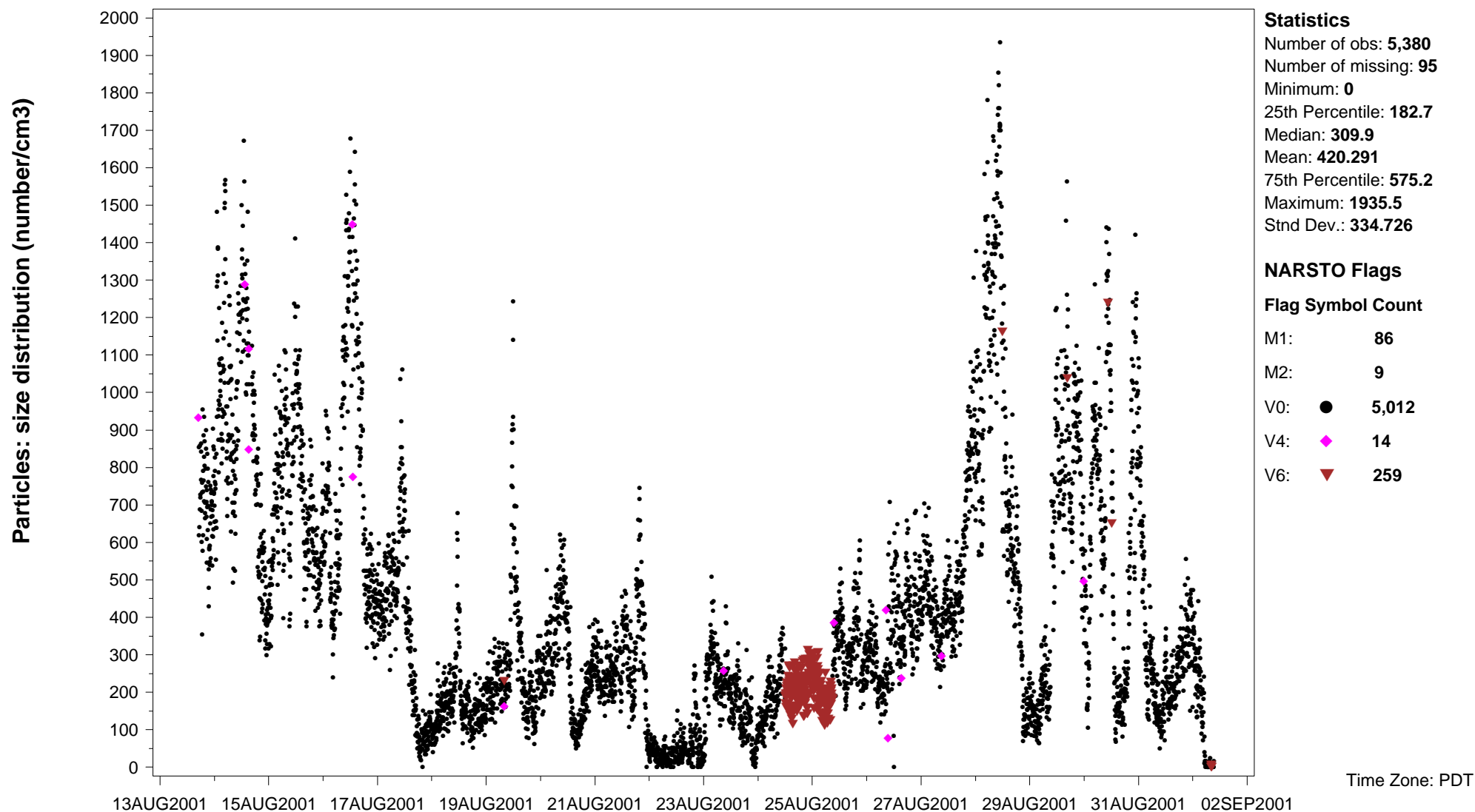
Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**

Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **316**

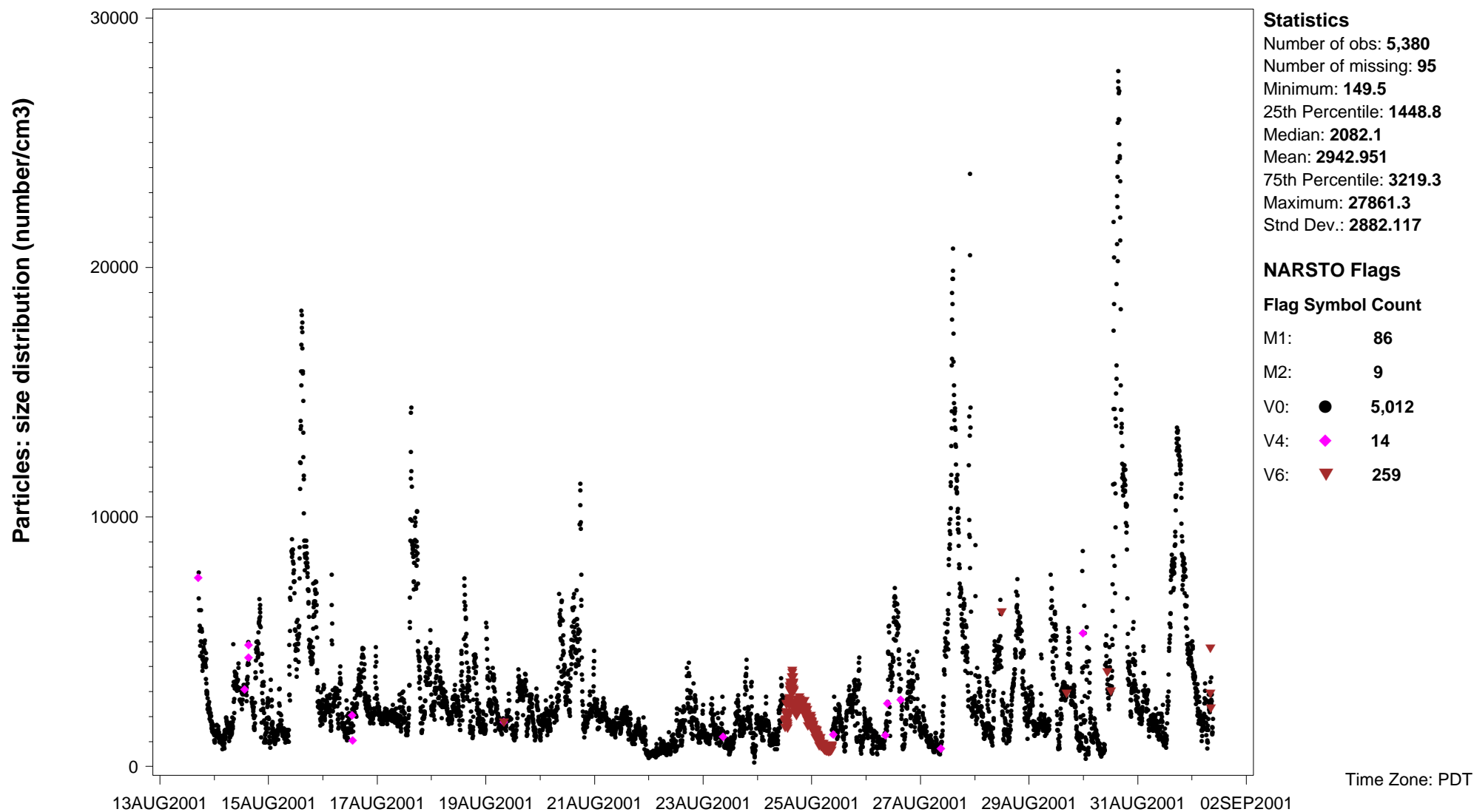
Particle diameter--upper bound (UM): **365** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**

Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **36.5**  
Particle diameter--upper bound (UM): **42.2** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



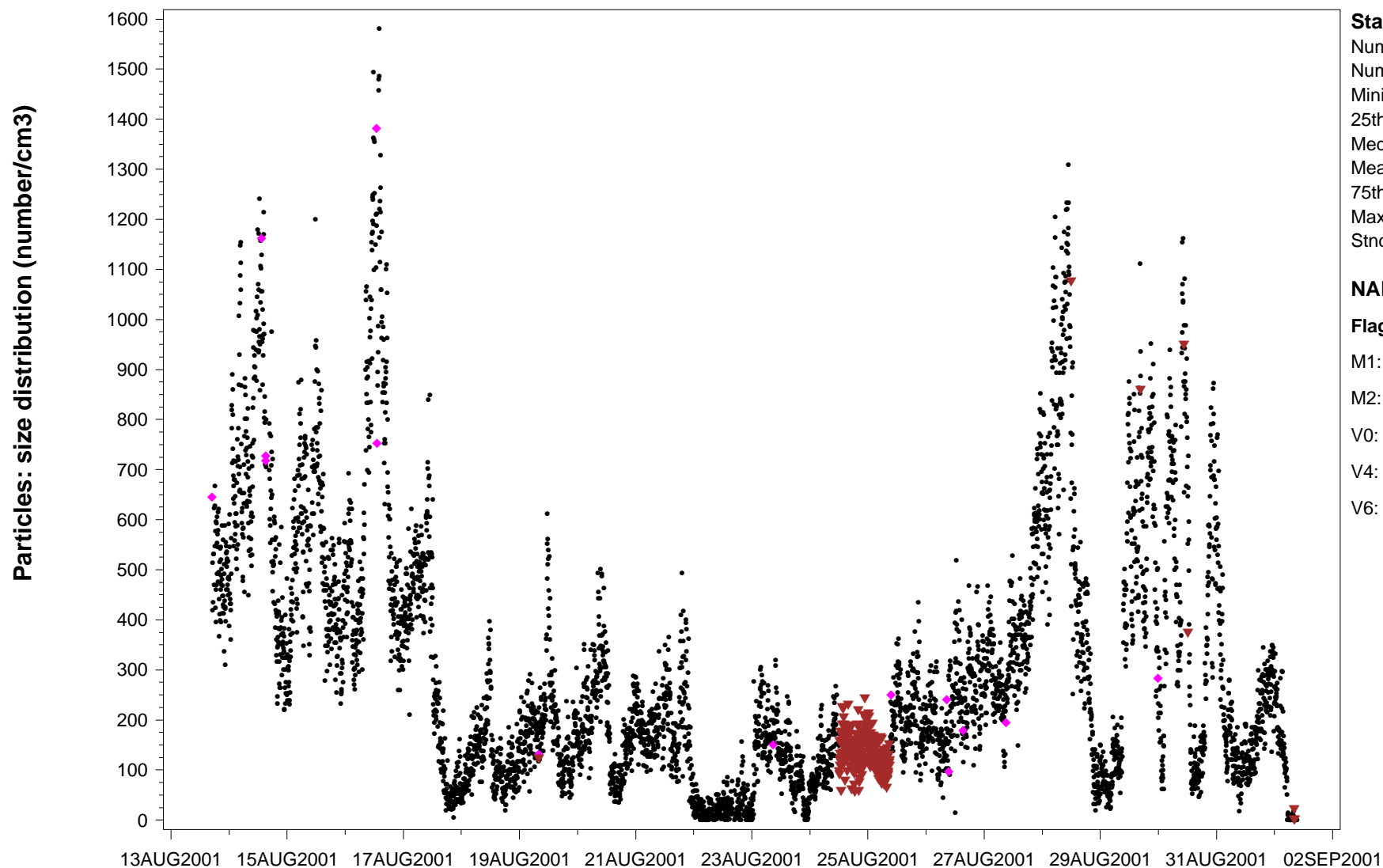
Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**

Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **365**

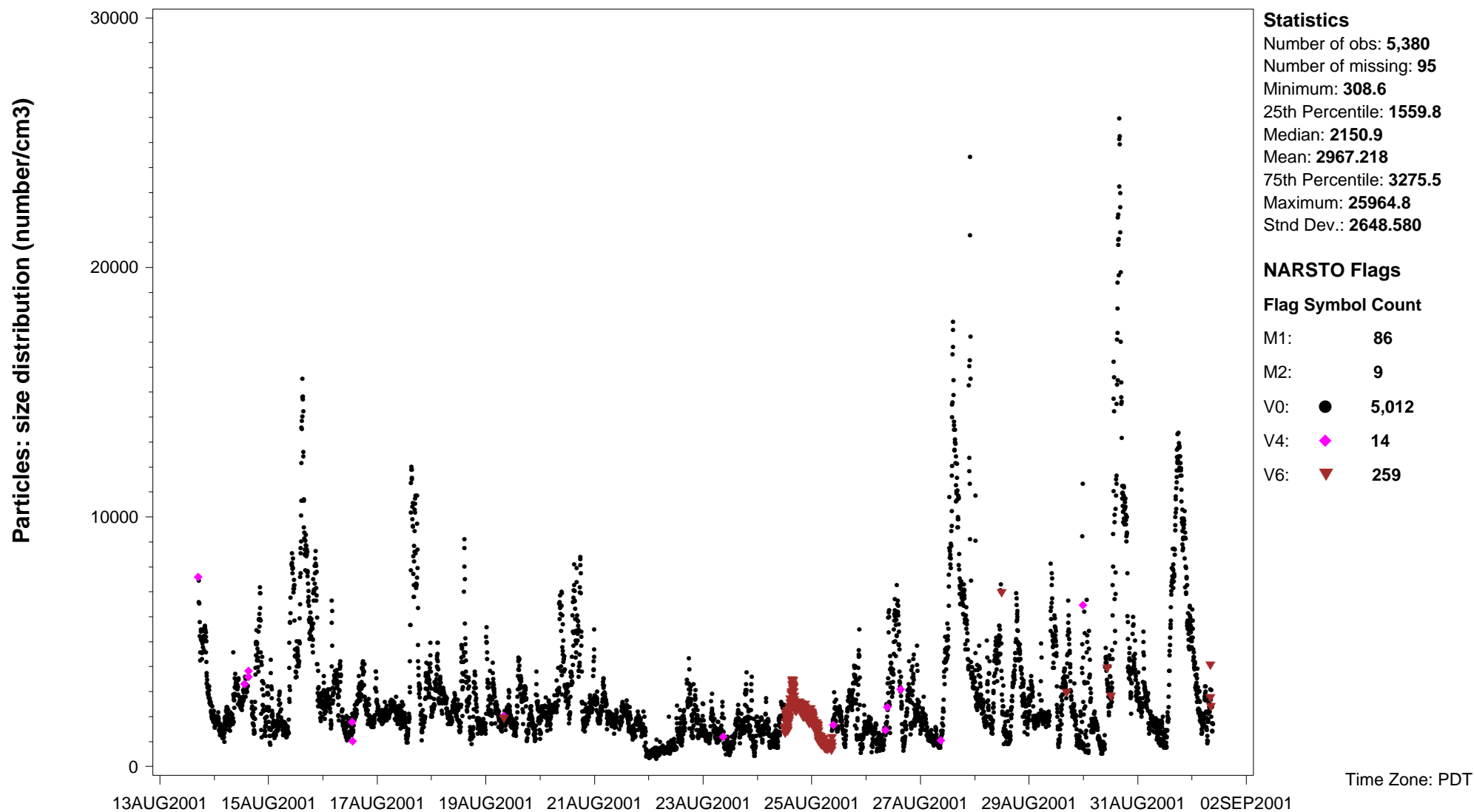
Particle diameter--upper bound (UM): **422** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**

Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **42.2**  
Particle diameter--upper bound (UM): **48.7** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



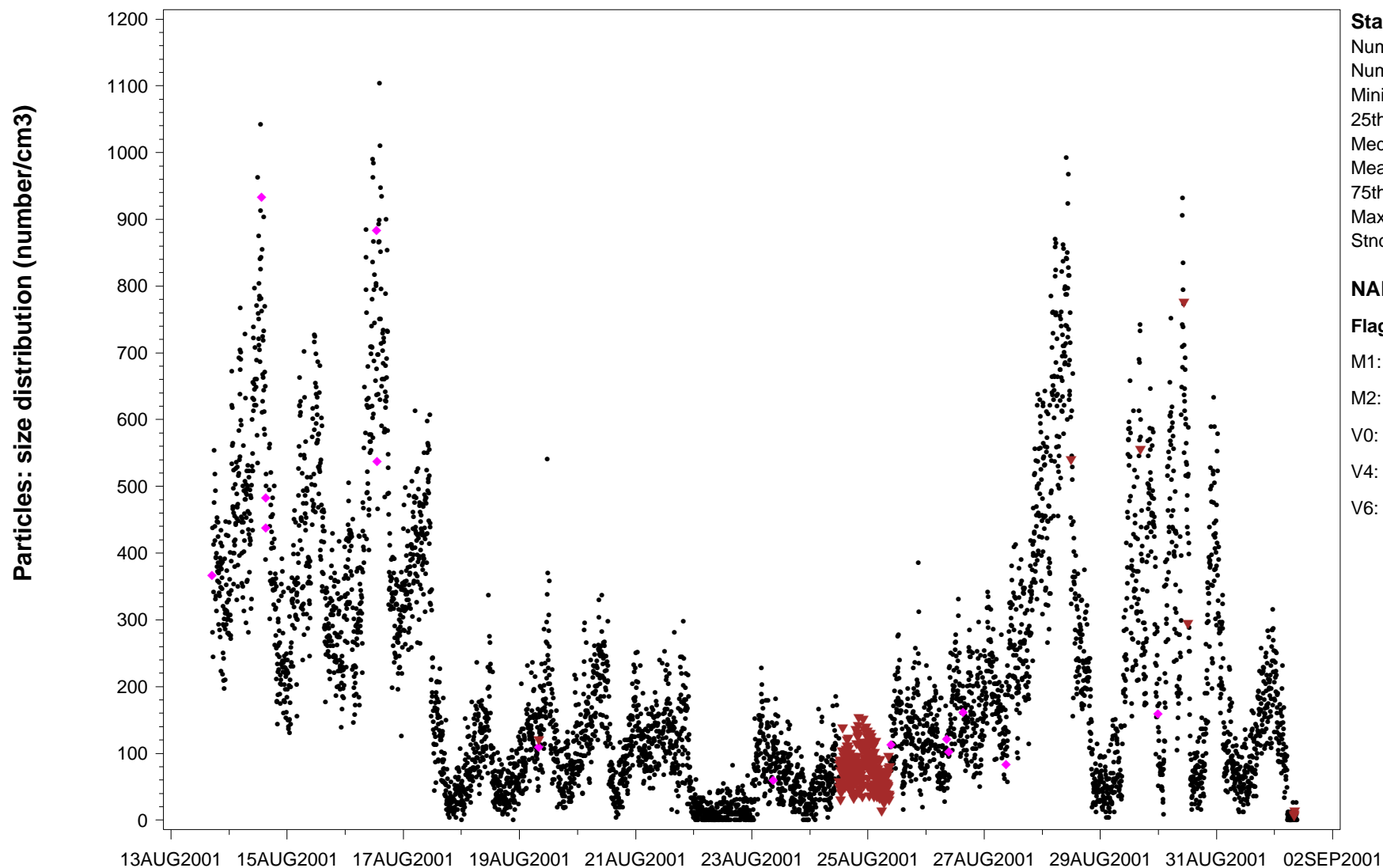
Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**

Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **422**

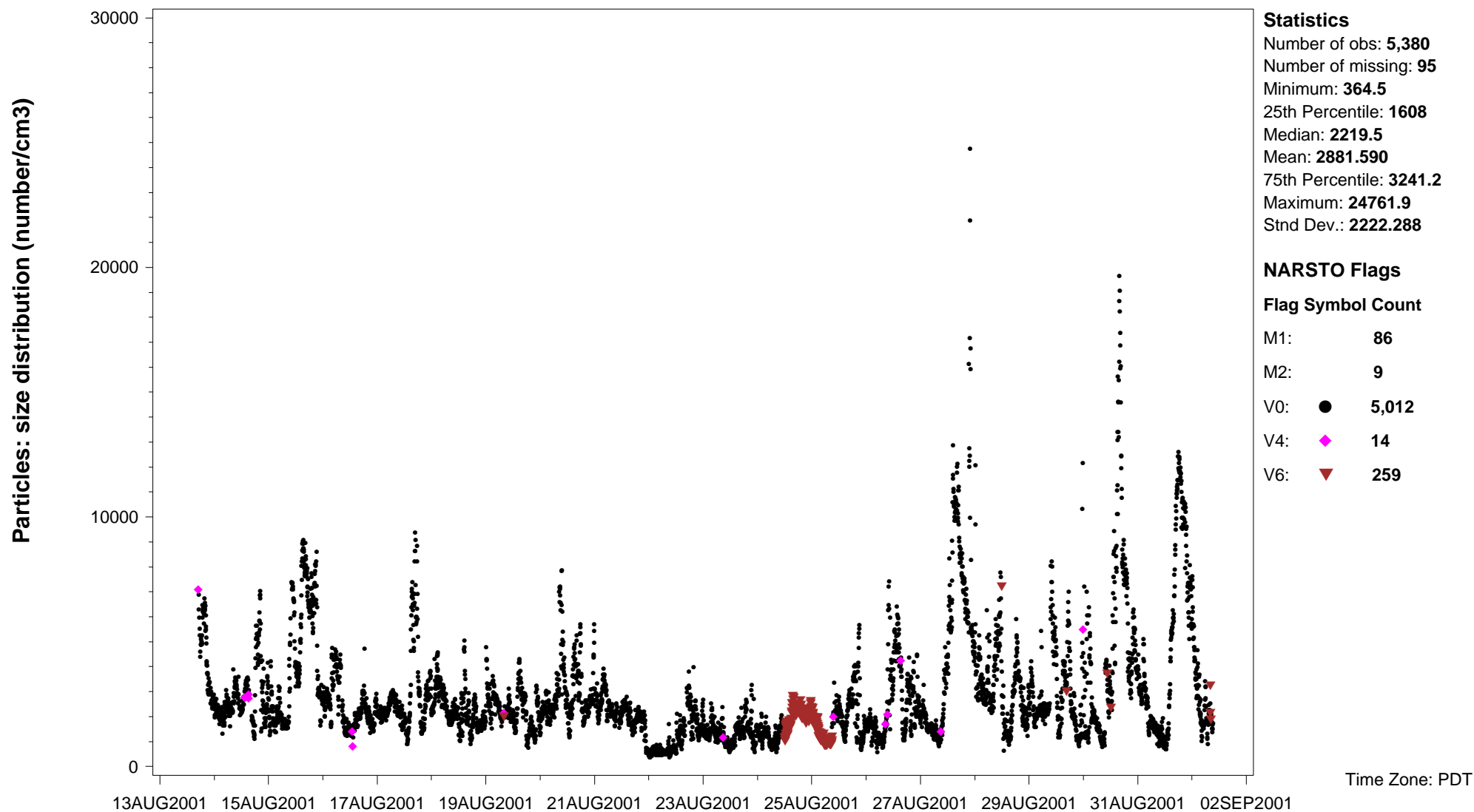
Particle diameter--upper bound (UM): **487** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**

Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **48.7**  
Particle diameter--upper bound (UM): **56.2** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



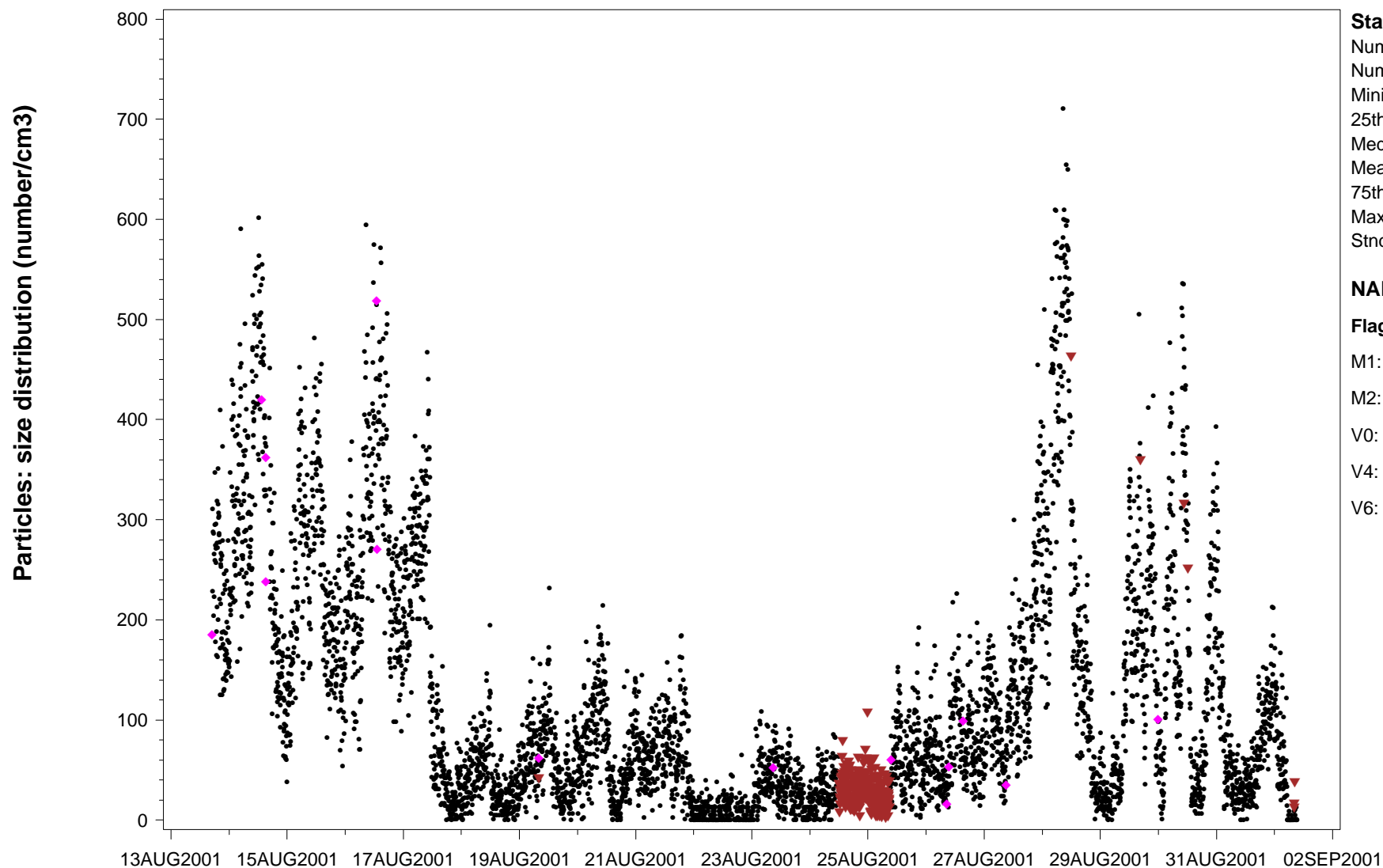
Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**

Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **487**

Particle diameter--upper bound (UM): **562** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**

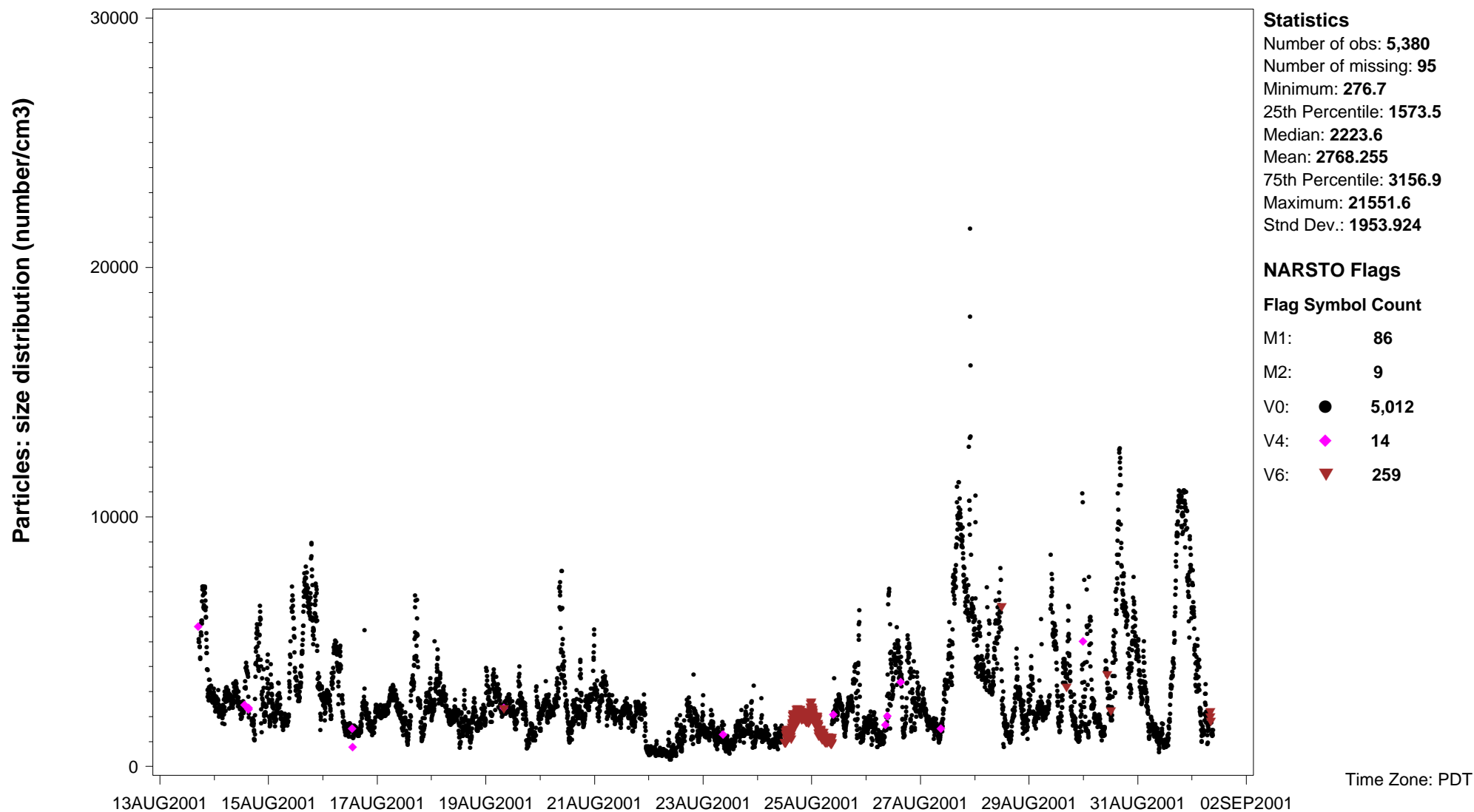
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**





Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **56.2**  
Particle diameter--upper bound (UM): **64.9** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



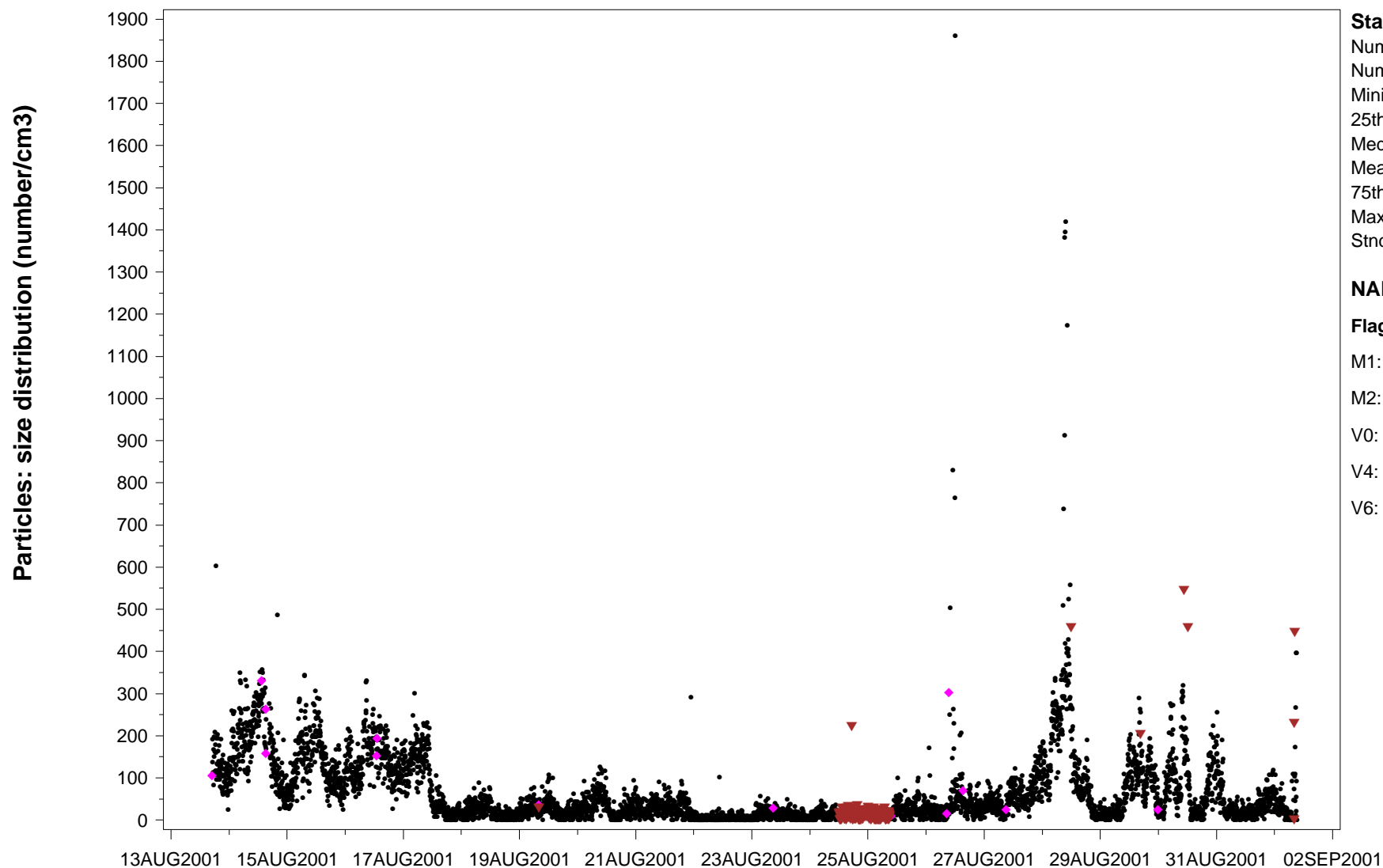
Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**

Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **562**

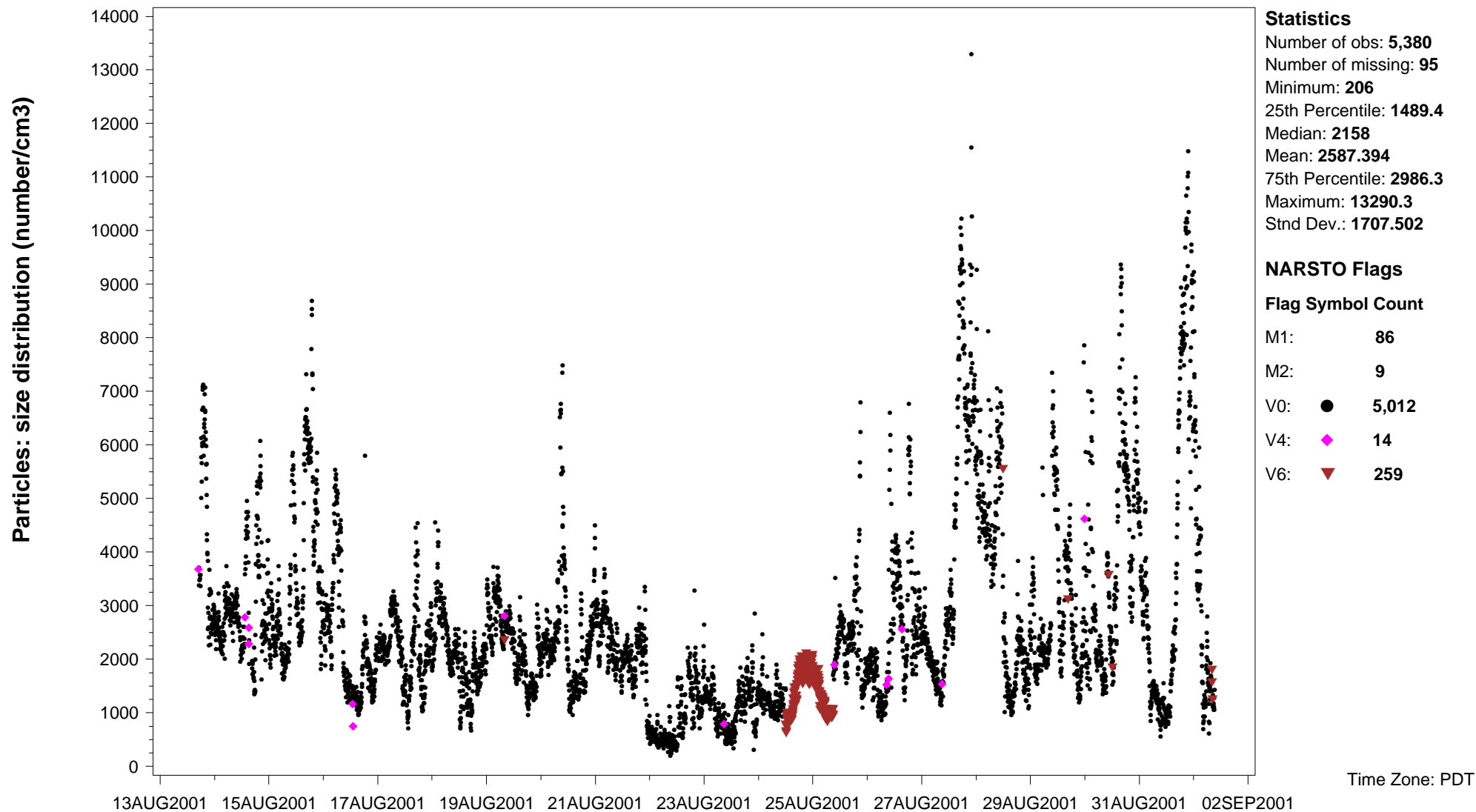
Particle diameter--upper bound (UM): **649** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**

Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**

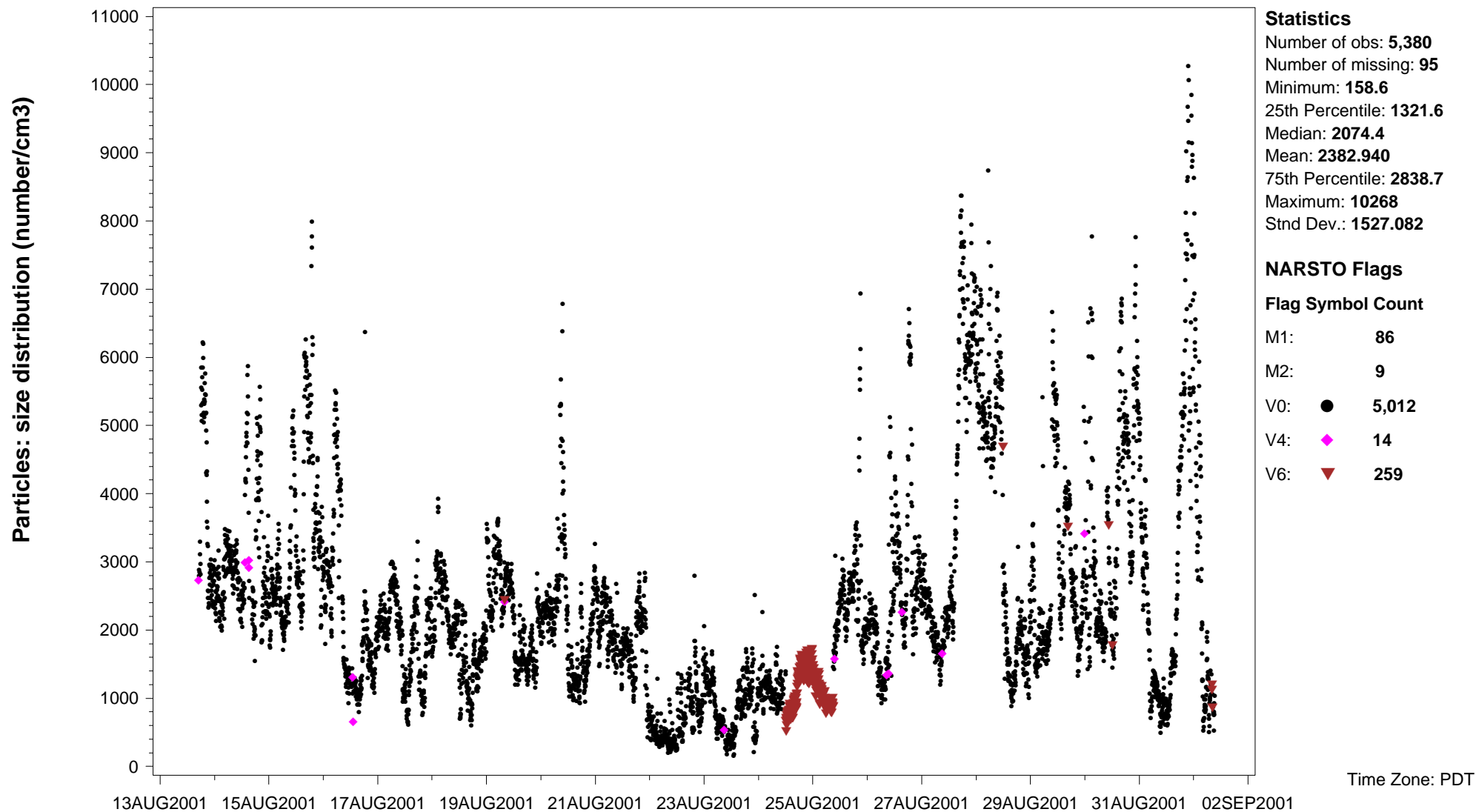
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



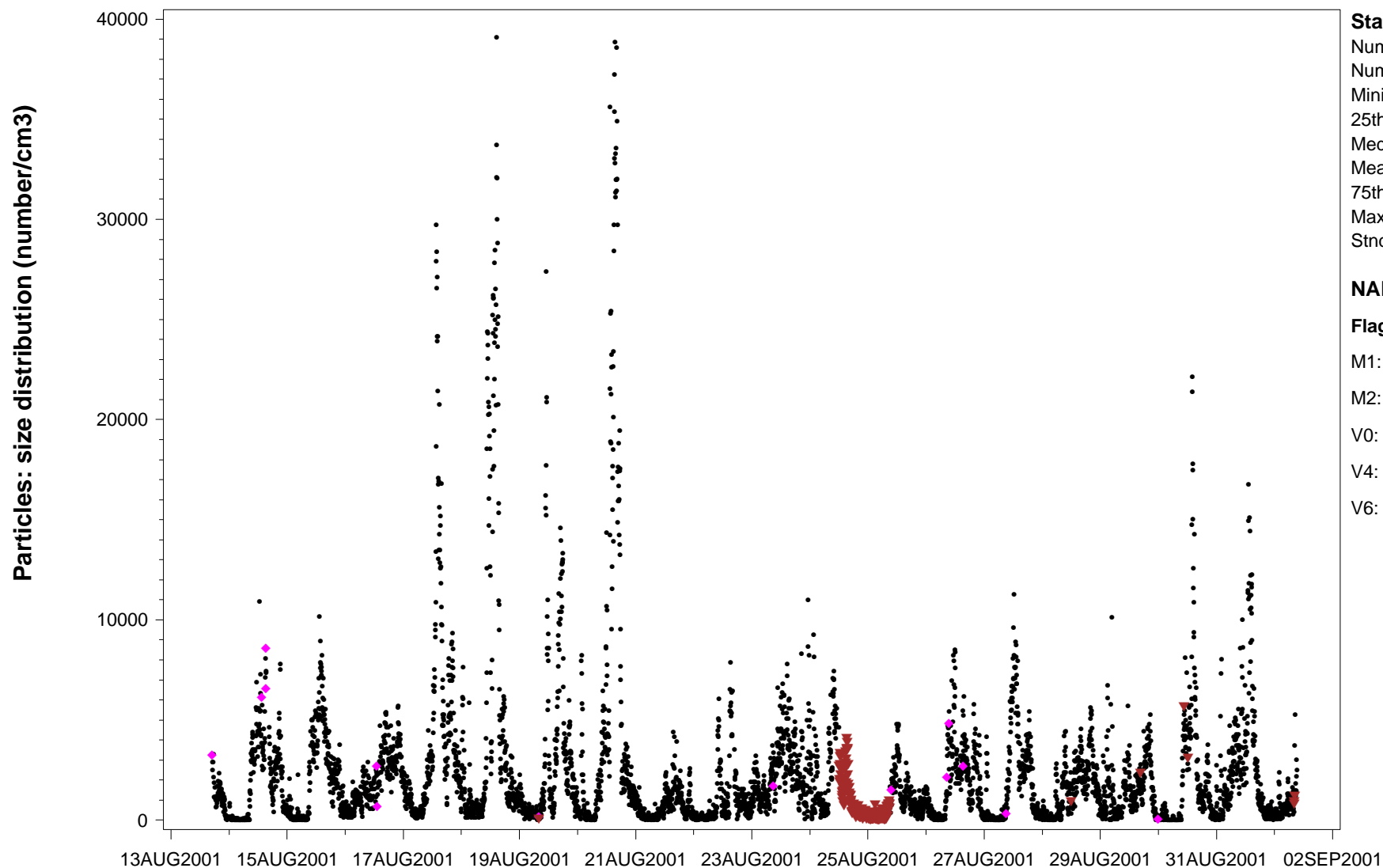
Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **64.9**  
Particle diameter--upper bound (UM): **75.0** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **75.0**  
Particle diameter--upper bound (UM): **86.6** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
 Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **8.66**  
 Particle diameter--upper bound (UM): **10.0** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
 Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
 Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



#### Statistics

Number of obs: **5,380**  
 Number of missing: **95**  
 Minimum: **0**  
 25th Percentile: **334.1**  
 Median: **1187.7**  
 Mean: **2368.295**  
 75th Percentile: **2840.3**  
 Maximum: **39077.9**  
 Stnd Dev.: **3993.547**

#### NARSTO Flags

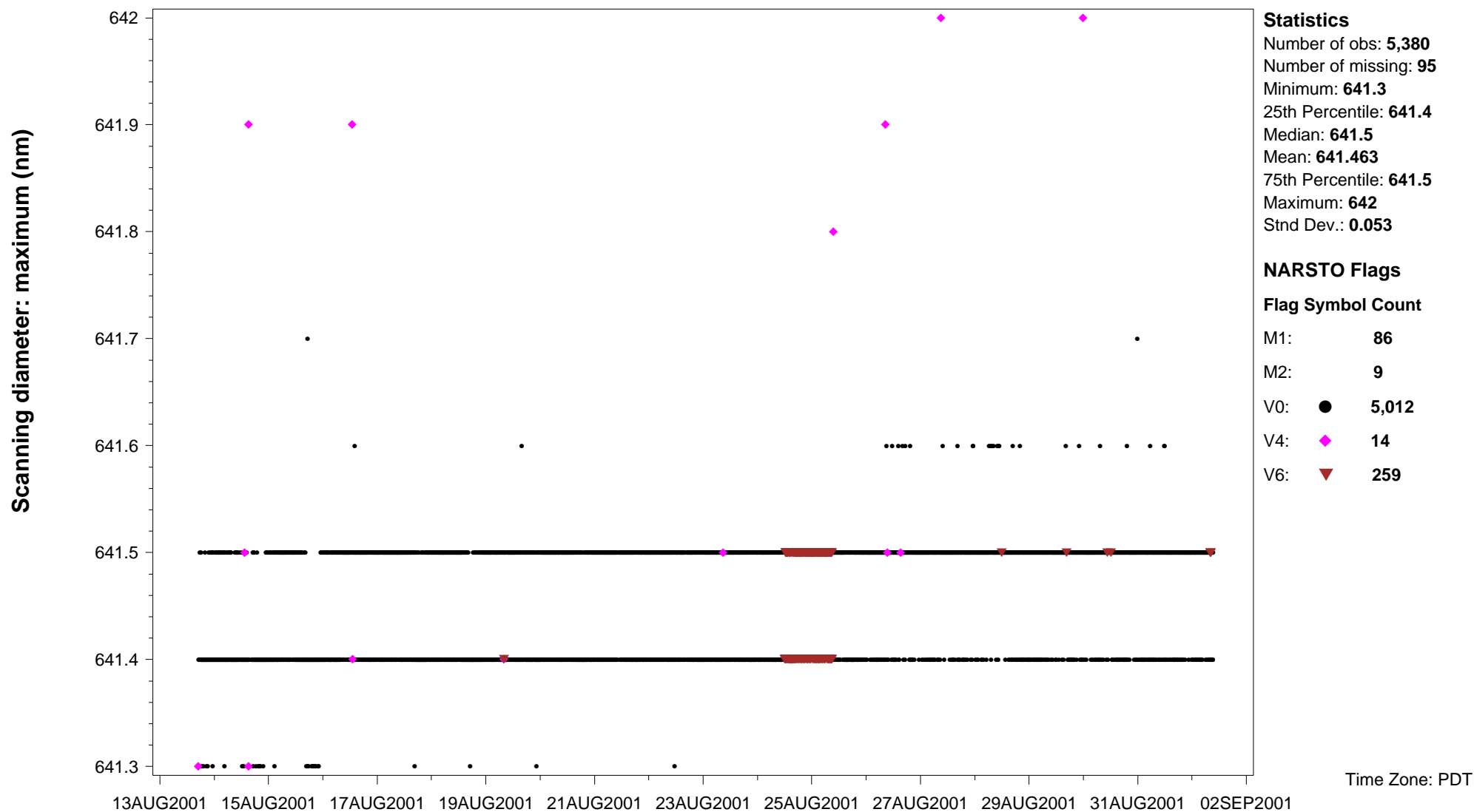
##### Flag Symbol Count

M1:		86
M2:		9
V0:	●	5,012
V4:	◆	14
V6:	▼	259

Site ID: **PC01CABCSMMT** Variable name: **Particles: size distribution** Units: **number/cm3** Sampling interval: **5 minute**  
Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **86.6**  
Particle diameter--upper bound (UM): **100** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal i



Site ID: **PC01CABCSMMT** Variable name: **Scanning diameter: maximum** Units: **nm** Sampling interval: **5 minute** Sampling frequency: **Same as sampling interval**  
Observation type: **Particles** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**  
Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**  
Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**

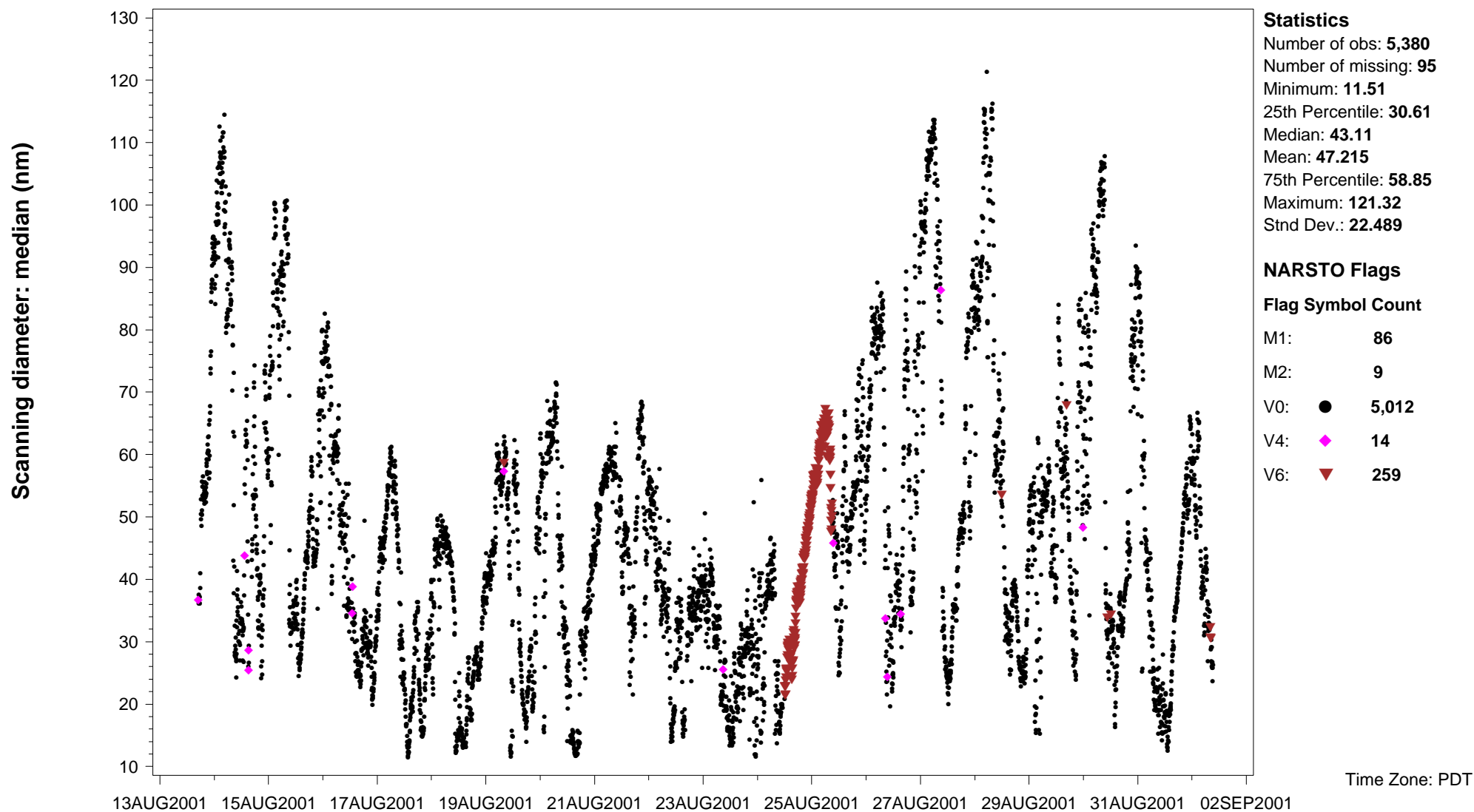


Site ID: **PC01CABCSMMT** Variable name: **Scanning diameter: median** Units: **nm** Sampling interval: **5 minute** Sampling frequency: **Same as sampling interval**

Observation type: **Particles** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**

Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



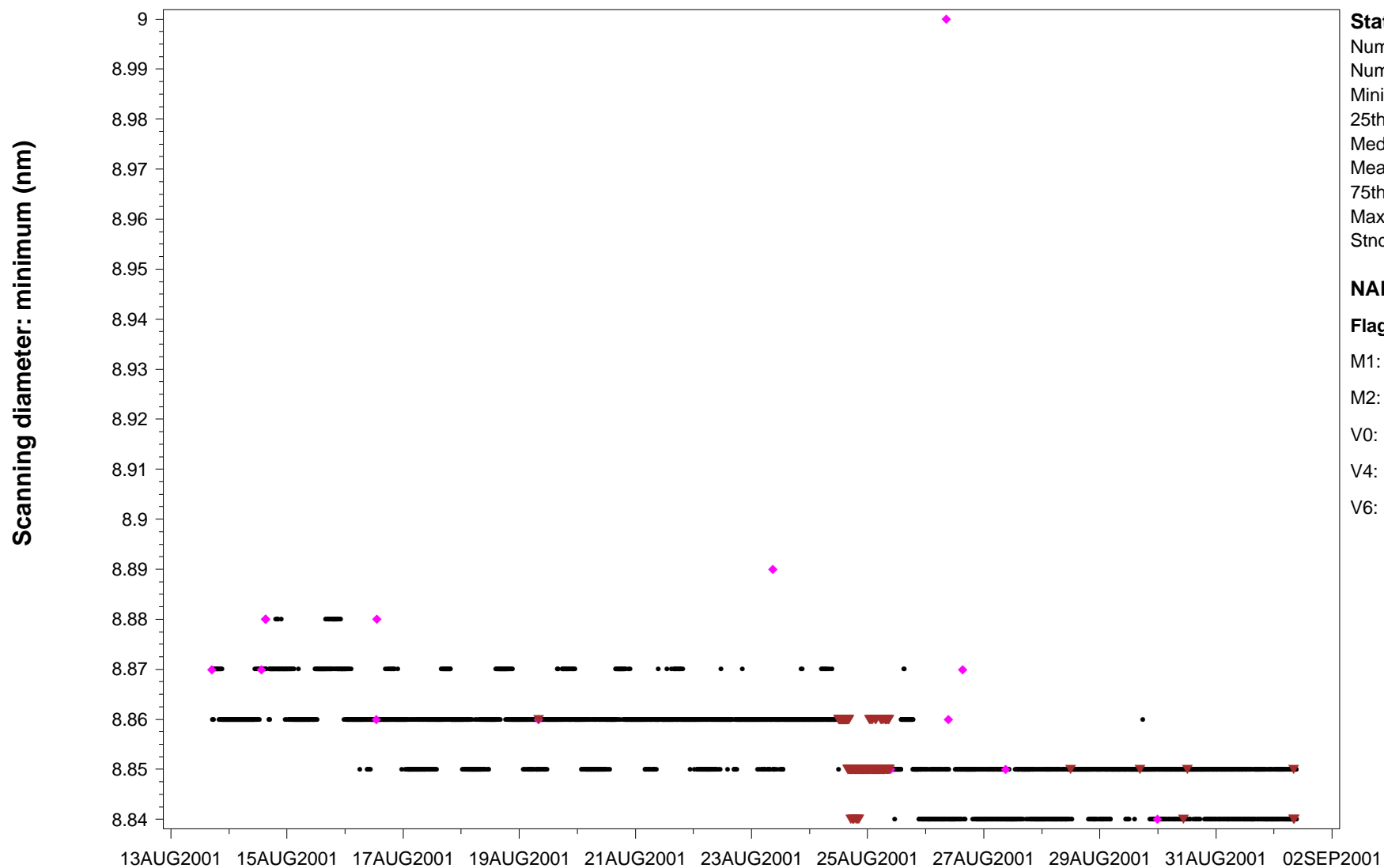


Site ID: **PC01CABCSMMT** Variable name: **Scanning diameter: minimum** Units: **nm** Sampling interval: **5 minute** Sampling frequency: **Same as sampling interval**

Observation type: **Particles** Field sampling or measurement principle: **DMA** Inlet type: **Open sampling line**

Instrument name and model number: **TSI Incorporated, model 3071 DMA and model 3010 CNC** Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**



Site ID: **PC01CABCSMMT** Variable name: **Temperature: instrument internal** Units: **K** Sampling interval: **5 minute**

Sampling frequency: **Same as sampling interval** Observation type: **Other** Instrument name and model number: **TSI Incorporated, model 3071 DMA**

Measurement principal investigator: **Tak Wai Chan**

Site Name: **Sumas, British Columbia** Latitude: **49.05166 deg.** Longitude: **-122.24666 deg.** Start Date: **9999-12-31**

